



# NORTHWESTERN STATE

UNIVERSITY OF LOUISIANA



## 2026-2027

UNIVERSITY CATALOG

[nsula.edu](https://nsula.edu)



## Northwestern State University

Telephone: 318.357.6011

Toll Free: 800.327.1903

### Academic Colleges/Schools/Departments

#### College of Arts and Sciences

Louisiana Scholars' College

Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative & Performing Arts

Fine and Graphic Arts

Music

New Media, Journalism, and Communication Arts

Theatre and Dance

School of Science, Technology, Engineering, and Mathematics (STEM)

Biology and Microbiology

Engineering Technology

Mathematics

Physical Science

Veterinary Technology

School of Social Sciences and Applied Programs

English, Languages, and Cultural Studies

#### College of Business and Technology

School of Business

Hospitality Management and Tourism

#### College of Nursing and School of Allied Health

College of Nursing

School of Allied Health

#### Gallaspy Family College of Education and Human Development

School of Education

School of Kinesiology

Military Science

Psychology and Addiction Studies

Social Work

#### The Graduate School

Graduate School

#### Academic Records, Registration, Transcripts, Veterans Affairs

University Registrar's Office

Veterans Affairs

#### Admissions

Office of Admissions

#### Business Affairs

Human Resources

Student Accounting

#### Financial Aid

#### Recruiting, Tuition and Fees

Office of University Recruiting

Academic Advising Services/General Studies

Counseling and Career Services

Electronic Learning and Global Engagement

First Year Experience and Leadership Development

Health Services

Housing

Office of Accessibility and Disability Support

Student Activities and Organizations

Student Affairs, Dean of Students

Student Online Support/Student Help Desk

Testing

TRIO Student Support Services

### Telephone:

### Email:

318-357-4330

318-357-4577

318-357-4522

318-357-4522

318-357-4522

318-357-5360

318-357-4483

318-357-6514

318-357-5323

318-357-6751

318-357-4308

318-357-5323

318-357-6019

318-357-6967

318-357-6272

318-357-5161

318-357-5162

318-357-5587

318-677-3100

318-677-3020

318-357-6288

318-357-6144

318-357-5126

318-357-5157

318-357-6594

318-357-5493

318-357-5851

318-357-6171

800-807-8849

318-357-6170

800-844-8908

318-357-4078

800-767-8115

318-357-6152

318-357-5447

318-357-5961

800-823-3008

318-357-4503

800-327-1903

318-357-6980

318-357-5621

318-357-6355

318-357-5559

318-357-5351

318-214-5400

318-357-4460

318-357-5438

318-357-5285

318-357-6696

318-357-5246

318-357-5901

coas@nsula.edu

scholars@nsula.edu

capa@nsula.edu

art@nsula.edu

nsumusic@nsula.edu

newmedia@nsula.edu

theatreanddance@nsula.edu

nsustem@nsula.edu

bio\_sci@nsula.edu

engineering@nsula.edu

mathematics@nsula.edu

physicalsci@nsula.edu

vtec@nsula.edu

nsucjhss@nsula.edu

languages@nsula.edu

nsucobt@nsula.edu

business@nsula.edu

hmt@nsula.edu

nursing@nsula.edu

sah@nsula.edu

gcoehd@nsula.edu

education@nsula.edu

hhp@nsula.edu

nsurotc@nsula.edu

psychology@nsula.edu

socialwork@nsula.edu

grad\_school@nsula.edu

registrar@nsula.edu

vetaffairs@nsula.edu

applications@nsula.edu

humanresources@nsula.edu

studentaccounting@nsula.edu

nsufinaid@nsula.edu

recruiting@nsula.edu

advising@nsula.edu

cacs@nsula.edu

elarning@nsula.edu

fye@nsula.edu

nashj@nsula.edu

nsuleasing@campushousing.com

oads@nsula.edu

studentactivities@nsula.edu

deanofstudents@nsula.edu

sos@nsula.edu

testing@nsula.edu

trioss@nsula.edu

All written communications should be directed to the proper University office and should be addressed to:  
Northwestern State University Natchitoches, LA 71497-0002

# **NORTHWESTERN STATE UNIVERSITY OF LOUISIANA**

**A Member of the University of Louisiana System**

**NATCHITOCHES, LOUISIANA 71497-0002**

**<https://www.nsula.edu>**

## **UNIVERSITY CATALOG**

**Vol. CXI**

---

**2026-2027**

This University Catalog presents the current curricula, educational plans, course offerings, requirements and policies of this University. The provisions described in this Catalog do not constitute an offer for a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change any curriculum, plan, course, requirement and policy and any other provision at any time during the student's period of study at the University.

# CONTENTS

|                                                                                          |     |
|------------------------------------------------------------------------------------------|-----|
| Academic Calendar, 2026-2027 .....                                                       | 4   |
| Glossary .....                                                                           | 7   |
| The University .....                                                                     | 8   |
| Admission to the University .....                                                        | 17  |
| Financial Aid .....                                                                      | 22  |
| Academic Information .....                                                               | 25  |
| Academic Regulations .....                                                               | 31  |
| Student Life/Services .....                                                              | 43  |
| Electronic Learning and Global Engagement .....                                          | 49  |
| Academic Colleges, Departments, and Curricula                                            |     |
| College of Arts and Sciences .....                                                       | 50  |
| Louisiana Scholars' College .....                                                        | 54  |
| Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts ..... | 86  |
| Fine and Graphic Arts .....                                                              | 87  |
| Music .....                                                                              | 89  |
| New Media, Journalism, and Communication Arts .....                                      | 93  |
| Theatre and Dance .....                                                                  | 94  |
| School of Science, Technology, Engineering, and Mathematics (STEM) .....                 | 97  |
| Biology and Microbiology .....                                                           | 98  |
| Engineering Technology .....                                                             | 103 |
| Mathematics .....                                                                        | 105 |
| Physical Science .....                                                                   | 106 |
| Veterinary Technology .....                                                              | 107 |
| School of Social Sciences and Applied Programs .....                                     | 108 |
| English, Languages, and Cultural Studies .....                                           | 112 |
| College of Business and Technology .....                                                 | 115 |
| School of Business .....                                                                 | 116 |
| Hospitality Management and Tourism .....                                                 | 121 |
| College of Nursing and School of Allied Health .....                                     | 122 |
| College of Nursing .....                                                                 | 123 |
| School of Allied Health .....                                                            | 133 |
| Gallaspy Family College of Education and Human Development .....                         | 140 |
| School of Education .....                                                                | 142 |
| School of Kinesiology .....                                                              | 155 |
| Military Science .....                                                                   | 158 |
| Psychology and Addiction Studies .....                                                   | 160 |
| Social Work .....                                                                        | 163 |
| The Graduate School .....                                                                | 166 |
| Courses of Instruction .....                                                             | 177 |
| Administration of the University .....                                                   | 308 |
| Faculty .....                                                                            | 312 |
| Index .....                                                                              | 326 |

# ACADEMIC CALENDAR 2026-2027

## FALL 2026

### AUGUST

|             |                       |                                                                                     |
|-------------|-----------------------|-------------------------------------------------------------------------------------|
| 10.....     | Monday .....          | semester begins/faculty on call                                                     |
| 10-16.....  | Monday-Sunday .....   | regular registration via VIC                                                        |
| 10.....     | Monday .....          | faculty institute                                                                   |
| 12.....     | Wednesday .....       | advising CENLA/LEESVILLE/SHEVEPORT                                                  |
| 13-14 ..... | Thursday-Friday ..... | advising NATCHITOCHES                                                               |
| 13.....     | Thursday.....         | Freshman Connection for all unregistered new students (9:00 AM Natchitoches Campus) |
| 14.....     | Friday .....          | Intent to Attend available via VIC                                                  |
| 15.....     | Saturday .....        | residence halls open for all students                                               |
| 16.....     | Sunday .....          | New Student Convocation                                                             |
| 17.....     | Monday.....           | first day of classes ALL CAMPUSES (16-week and A-Term)                              |
| 17-25.....  | Monday-Tuesday.....   | late registration (fee applies)                                                     |
| 25.....     | Tuesday .....         | final day to certify Intent to Attend via VIC                                       |
| 25.....     | Tuesday .....         | final day to register, add courses, or make section changes for 16-week & A-term    |
| 25.....     | Tuesday .....         | final day to drop a class and be refunded or have fees adjusted (16-week & A-term)  |
| 25.....     | Tuesday .....         | last day to resign from all 16-week or A-term classes with 100% refund              |
| 26.....     | Wednesday.....        | dropping 16-week and A-term courses with a “W” begins via VIC                       |

### SEPTEMBER

|          |                 |                                                                                                                                        |
|----------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 2.....   | Wednesday ..... | last day to resign from all 16-week and A-term classes with 50% refund                                                                 |
| 7.....   | Monday .....    | Labor Day Holiday                                                                                                                      |
| 11.....  | Friday .....    | final day to appeal a grade from Spring 2026                                                                                           |
| 11 ..... | Friday.....     | final day to remove “I” grade with approved 60-day waiver from Spring 2026                                                             |
| 21.....  | Monday .....    | 5-week grades due to be entered by 11:55 p.m.                                                                                          |
| 21.....  | Monday .....    | final day to resign from all A-term courses or drop A-term courses with a grade of “W”<br>or change from credit to audit (A-term only) |
| 29.....  | Tuesday .....   | final day for removal of “I” grades from Summer 2026                                                                                   |

### OCTOBER

|          |                       |                                                                                                                                         |
|----------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1.....   | Thursday.....         | final day for undergraduate and graduate students to apply for Fall 2026 graduation                                                     |
| 8-9..... | Thursday-Friday ..... | Fall Break                                                                                                                              |
| 10 ..... | Saturday .....        | last day of A-term classes                                                                                                              |
| 12.....  | Monday .....          | B-term classes begin                                                                                                                    |
| 12.....  | Monday .....          | midterm grades to be entered by 11:55 p.m.                                                                                              |
| 13 ..... | Tuesday .....         | A-term grades to be entered by 11:55 p.m.                                                                                               |
| 20 ..... | Tuesday .....         | final day to register, add courses, or make section changes for B-Term                                                                  |
| 26.....  | Monday .....          | final day to resign from all 16-week courses, drop courses with a grade of “W”<br>or change from credit to audit (16-week courses only) |

### NOVEMBER

|            |                    |                                                                                                                                        |
|------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 13.....    | Friday .....       | final day to resign from all B-term courses or drop B-term courses with a grade of “W”<br>or change from credit to audit (B-term only) |
| 20.....    | Friday .....       | deadline for thesis defenses for Graduate School candidates<br>graduating in the Fall 2026 semester                                    |
| 23-29..... | Monday-Sunday..... | Thanksgiving Holiday                                                                                                                   |
| 28.....    | Saturday .....     | final day to appeal a grade from Summer 2026                                                                                           |
| 28.....    | Saturday .....     | final day to remove “I” grade with approved 60-day waiver from Summer 2026                                                             |
| 30.....    | Monday .....       | classes resume (8 a.m.)                                                                                                                |

### DECEMBER

|            |                          |                                                                                                                          |
|------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 4.....     | Friday .....             | last day of classes                                                                                                      |
| 4 .....    | Friday .....             | deadline for graduate students to submit all documents required<br>for graduation in the fall 2026 semester – 12:00 noon |
| 5-10.....  | Saturday-Thursday.....   | final examinations                                                                                                       |
| 10.....    | Thursday .....           | candidate grades due to be entered by 12:00 p.m.                                                                         |
| 11.....    | Friday .....             | residence halls close                                                                                                    |
| 14.....    | Monday .....             | all grades due to be entered by 12:00 noon                                                                               |
| 16-17..... | Wednesday-Thursday ..... | commencement exercises                                                                                                   |

# ACADEMIC CALENDAR 2026-2027

## SPRING 2027

### JANUARY

|            |                      |                                                                                       |
|------------|----------------------|---------------------------------------------------------------------------------------|
| 4.....     | Monday .....         | semester begins/faculty on call                                                       |
| 4-10.....  | Monday-Sunday .....  | regular registration via VIC                                                          |
| 6.....     | Wednesday.....       | advising CENLA/LEESVILLE/SHREVEPORT                                                   |
| 7.....     | Thursday .....       | Freshman Connection for all unregistered new students (9:00 a.m./Natchitoches Campus) |
| 7-8.....   | Thursday-Friday..... | advising NATCHITOCHES                                                                 |
| 8.....     | Friday .....         | Intent to Attend available via VIC                                                    |
| 9.....     | Saturday .....       | residence halls open for all students                                                 |
| 11 .....   | Monday .....         | first day of classes ALL CAMPUSES (16-week and A-term)                                |
| 11-19..... | Monday-Tuesday ..... | late registration via VIC (fee applies)                                               |
| 18.....    | Monday.....          | Martin Luther King Holiday                                                            |
| 19 .....   | Tuesday .....        | final day to certify Intent to Attend via VIC                                         |
| 19 .....   | Tuesday .....        | final day to drop a class and be refunded or have fees adjusted (16-week & A-term)    |
| 19 .....   | Tuesday .....        | final day to register, add courses, or make section changes                           |
| 19 .....   | Tuesday .....        | last day to resign from all 16-week and A-term classes with 100% refund               |
| 20 .....   | Wednesday.....       | dropping 16-week and A-term courses with a “W” begins via VIC                         |
| 26 .....   | Tuesday .....        | last day to resign from all 16-week and A-term classes with 50% refund                |

### FEBRUARY

|          |                      |                                                                                                                                     |
|----------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 8 .....  | Monday .....         | final day to resign from all A-term courses or drop A-term courses with a grade of “W” or change from credit to audit (A-term only) |
| 8-9..... | Monday-Tuesday ..... | Mardi Gras Holiday                                                                                                                  |
| 10 ..... | Wednesday.....       | Classes resume at 12:00 noon                                                                                                        |
| 15.....  | Monday .....         | 5-week grades due to be entered by 11:55 p.m.                                                                                       |
| 16.....  | Tuesday .....        | final day for removal of “I” grades from Fall 2026                                                                                  |

### MARCH

|                 |                     |                                                                                                                                                           |
|-----------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.....          | Sunday.....         | final day for undergraduate and graduate students to apply for Spring 2027 graduation                                                                     |
| 6.....          | Saturday .....      | last day of A-term classes                                                                                                                                |
| 8.....          | Monday .....        | midterm grades due to be entered by 11:55 p.m.                                                                                                            |
| 8.....          | Monday .....        | B-term classes begin                                                                                                                                      |
| 9.....          | Tuesday .....       | A-term grades due to be entered by 11:55 p.m.                                                                                                             |
| 16.....         | Tuesday .....       | final day to register, add courses, or make section changes for B-term                                                                                    |
| 22.....         | Monday .....        | final day to resign from all 16-week classes with a grade of “W,” drop courses with a grade of “W,” or change from credit to audit (16-week courses only) |
| 26-April 4..... | Friday-Sunday ..... | Spring Break/Easter Holiday                                                                                                                               |

### APRIL

|          |              |                                                                                                                                                |
|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.....   | Monday ..... | classes resume at 8:00 a.m.                                                                                                                    |
| 5.....   | Monday ..... | final day to resign from all B-term courses or drop B-term courses with a grade of “W” or change from credit to audit (B-term only)            |
| 16.....  | Friday ..... | final day to appeal a grade from Fall 2026                                                                                                     |
| 16.....  | Friday ..... | final day to remove “I” grade with approved 60-day waiver from Fall 2026                                                                       |
| 23 ..... | Friday ..... | deadline for thesis defenses for Graduate School candidates graduating in the Spring 2027 semester                                             |
| 30 ..... | Friday ..... | Deadline for graduate students to submit to the Graduate School all documents required for graduation in the spring 2027 semester – 12:00 noon |
| 30 ..... | Friday ..... | last day of classes (16-week and B-term)                                                                                                       |

### MAY

|            |                          |                                                 |
|------------|--------------------------|-------------------------------------------------|
| 1-6.....   | Saturday-Thursday .....  | final examinations                              |
| 6.....     | Thursday.....            | candidate grades due to be entered by 4:00 p.m. |
| 7.....     | Friday .....             | residence halls close                           |
| 10 .....   | Monday .....             | all grades due to be entered by 12:00 noon      |
| 12-13..... | Wednesday-Thursday ..... | commencement exercises                          |

# ACADEMIC CALENDAR 2026-2027

## SUMMER 2027

### MAY

|            |                     |                                                                                     |
|------------|---------------------|-------------------------------------------------------------------------------------|
| 17-18..... | Monday-Tuesday..... | advising for 11-week session                                                        |
| 19.....    | Wednesday.....      | 11-week session begins                                                              |
| 20.....    | Thursday.....       | final day to drop a class and be refunded or have fees adjusted for 11-week session |
| 20.....    | Thursday.....       | final day to register, add courses, make schedule changes for 11-week session       |
| 21.....    | Friday.....         | dropping 11-week classes with a “W” begins via VIC                                  |
| 22.....    | Saturday.....       | last day to resign from all classes with 50% refund                                 |
| 31.....    | Monday.....         | Memorial Day Holiday                                                                |

### JUNE

|          |                      |                                                                                                                                |
|----------|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 3-4..... | Thursday-Friday..... | advising for 8-week and 1st 4-week sessions                                                                                    |
| 7.....   | Monday.....          | 8-week and 1st 4-week sessions begin                                                                                           |
| 8.....   | Tuesday.....         | final day to drop a class and be refunded or have fees adjusted for 8-week and 1st 4-week sessions                             |
| 8.....   | Tuesday.....         | final day to register, add courses, make schedule changes for 8-week and 1st 4-week sessions                                   |
| 9.....   | Wednesday.....       | dropping classes with a grade of “W” begins via VIC                                                                            |
| 18.....  | Friday.....          | Juneteenth Holiday                                                                                                             |
| 21.....  | Monday.....          | final day to resign from all courses or drop courses with a grade of “W” or change from credit to audit for 1st 4-week session |
| 21.....  | Monday.....          | final day to resign from all courses or drop courses with a grade of “W” or change from credit to audit for 11-week session    |

### JULY

|          |                      |                                                                                                                                |
|----------|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1.....   | Thursday.....        | final day for undergraduate and graduate to apply for Summer 2027 graduation                                                   |
| 1.....   | Thursday.....        | 1st 4-week session ends                                                                                                        |
| 1-2..... | Thursday-Friday..... | advising for 2nd 4-week session                                                                                                |
| 5.....   | Monday.....          | Independence Day Holiday                                                                                                       |
| 6.....   | Tuesday.....         | 2nd 4-week session begins                                                                                                      |
| 6.....   | Tuesday.....         | final day for removal of “I” grades from Spring 2027                                                                           |
| 7.....   | Wednesday.....       | final day to register, add courses, make schedule changes for 2nd 4-week session                                               |
| 7.....   | Wednesday.....       | final day to drop a class and be refunded or have fees adjusted for 2nd 4-week sessions                                        |
| 6.....   | Tuesday.....         | all grades for 1st 4-week session due to be entered by 11:55 p.m.                                                              |
| 8.....   | Thursday.....        | dropping classes with a grade of “W” begins via VIC for 2nd 4-week session                                                     |
| 12.....  | Monday.....          | final day to resign from all courses or drop courses with a grade of “W” or change from credit to audit for 8-week session     |
| 12.....  | Monday.....          | final day to resign from all courses or drop courses with a grade of “W” or change from credit to audit for 2nd 4-week session |
| 30.....  | Friday.....          | 8-week and 2nd 4-week sessions end                                                                                             |
| 30.....  | Friday.....          | final examination for 11-week session                                                                                          |
| 30.....  | Friday.....          | 11-week session ends, residence halls close                                                                                    |

### AUGUST

|        |              |                                                                               |
|--------|--------------|-------------------------------------------------------------------------------|
| 3..... | Tuesday..... | all grades for 8-week and 2nd 4-week sessions due to be entered by 11:55 p.m. |
| 3..... | Tuesday..... | all grades for 11-week session due to be entered by 12:00 noon                |

The Academic Calendar, with important dates and deadlines, is also published on the University Registrar’s web page (<http://www.nsula.edu/registrar>).



# GLOSSARY

**Academic (Scholastic) load** — the totals of semester hours of course work for which a student is registered in a semester or summer session.

**Academic Catalog Year** — catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer semesters.

**Adjusted Quality Hours** — calculated by subtracting credit hours for “F” grades and repeated classes from total quality hours.

**Adjusted Quality Points** — calculated by subtracting quality points received for repeated classes from total quality points.

**Auditor** — one who pays fees and registers for a class or classes as an observer only and receives no credit for it.

**Cancellation** — a process where all courses are removed from a student’s academic record.

**Concentration** — an alternative track of courses within a Major or Option, account for at least 30 percent of the Major requirements.

**Corequisite** — concurrent requirement; usually a course or some other condition that must be taken or met at the same time as another course.

**Curriculum** — an officially approved combination of courses, satisfactory completion of which may lead to a degree or other goal.

**Degree** — the title of the award conferred on students upon completion of a unified program of study (e.g., Associate of Science, Bachelor of Arts).

**Degree Designation** — each authorized program at public institutions of higher education is listed in the Board of Regents’ Inventory of Degree and Certificate Programs under the category “Degree Designation” (e.g., Bachelor of Science, Bachelor of Arts).

**Degree Program** — grouping of campus-approved courses and requirements (e.g., minimum GPA required, comprehensive examinations, English and Math proficiency) which, when satisfactorily completed by a student will entitle him or her to a degree.

**Degree Subject Area** — a primary discipline which constitutes the focus of a Degree Program. When a student satisfactorily completes a Degree Program, the student will be entitled to a degree in the appropriate subject area (e.g., Biology, History, Nursing).

**Degree Title** — the complete label of a Degree Program, consisting of a Degree Designation (e.g., Associate of Science) and the Degree Subject Area (e.g., Criminal Justice).

**Dismissal** — final termination, by proper University authority, of a student’s enrollment in the University.

**Elective** — a course required in a curriculum without specific identification; the student “elects” the course to be taken. The area in which the elective must be chosen is sometimes specified.

**Good Standing** — the status of a student who is eligible to continue in or return to the University.

**Graduate Certificate (GC)** — a graduate-level academic offering addressing a particular topical area. The number of required courses varies, but the typical range is 12-18 semester credit hours. A minimum of 12 credit hours must be completed at Northwestern State University to obtain the certificate.

**Graduate Student** — a student who has received a baccalaureate degree and has been officially admitted to Graduate Studies.

**Graduation Grade Point Average** — is calculated by dividing adjusted quality points by adjusted quality hours.

**Major** — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s). The name of the Major is usually consistent with the Degree Subject Area. A Major usually consists of 25 percent or more of total hours required in an undergraduate curriculum.

**Minor** — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s), consisting usually of 15 percent or more of total hours required in an undergraduate curriculum.

**Overall Cumulative Grade Point Average** — obtained by dividing the total number of quality points by the total number of quality hours.

**Post-Baccalaureate Certificate (PBC)** — an undergraduate, academic offering, typically 12-33 semester credit hours, that is earned after a student has completed a recognized baccalaureate degree. A minimum of 12 credits must be completed at Northwestern State University to obtain the certificate.

**Post-Master’s Certificate (PMC)** — an academic offering, typically 12-33 semester credit hours, usually related to additional licensure or certification that is earned after a student has already completed a recognized Master’s degree. A minimum of 12 credits must be completed at Northwestern State University to obtain the certificate.

**Prerequisite** — a requirement that must be satisfied, often registration in another course, before a student can take a course.

**Quality Hours** — the credit hour value of the course.

**Quality Point** — a numerical value assigned to each of the letter grades “A” through “F”. The grade of “A” is valued at four quality points for each semester hour of credit in the course. “B” is three points per hour, “C” is two, and “D” is one. A grade of “F” has a quality point value of zero. These values are used in calculating a student’s “grade point average” and academic standing.

**Registrar** — the University official responsible for compiling and keeping secure the official records of each student’s scholastic achievement. The Registrar’s Office is a principal source of information and advisement on matters such as registration, scheduling, and academic standing.

**Residence Requirement** — a requirement that students pursuing undergraduate or graduate degrees at NSU must earn a specified number of semester hours in regularly scheduled coursework. For the baccalaureate degree, students must earn at least 25 percent of the semester hours required for the degree through instruction at NSU.

**Resignation** — a student’s voluntary termination of enrollment in all classes which is carried out in accordance with University procedures.

**Scholastic probation** — status of a student who is not doing satisfactory work in classes as specified elsewhere in this catalog.

**Semester Average** — a student’s grade-point average based on the total number of quality points earned divided by total number of quality hours in a given semester.

**Semester Grade Point Average** — obtained by dividing the total number of quality points earned for a semester by the number of hours attempted that semester.

**Semester hour** — the numerical value of a course usually based on the number of hours spent in the class per week in a regular session. A credit or semester hour generally represents one hour of class work a week.

**Suspension** — temporary denial to a student, by proper University authority, of permission to register for classes at NSU.

**Transfer student** — one who has attended another college or university prior to entering NSU.

**Undergraduate Certificate (UC)** — an undergraduate academic offering of at least 18 semester credit hours. At least half must be at the upper level. May be completed prior to completing a four-year degree or as a stand-alone credential. A minimum of 12 credit hours must be completed at Northwestern State University to obtain the certificate.

# THE UNIVERSITY

## HISTORY

Northwestern State University of Louisiana stands on ground that has been dedicated to learning for well over a hundred years. Prior to the Civil War a portion of the present campus was the property of the Bullard family of Natchitoches. As early as 1856 the Bullard mansion was in use as a convent by the Religious Society of the Sacred Heart. The following year a school building was erected at the convent, and in 1884 the property was purchased by the town and parish of Natchitoches. Three of the four great white columns that once supported the east gable of the Bullard mansion still stand on “The Hill” and often serve as the unofficial symbol of the University.

The State Legislature by Act 51 of 1884 created a Louisiana State Normal School for the preparation of teachers. A member of the Legislature, Leopold Caspari, offered the convent site as a campus for the School with the anticipated approval of the citizens of Natchitoches. The offer was accepted, and from 1885 to 1918 the Normal School offered two years of study for the training of teachers. Baccalaureate programs were then inaugurated, and the State Constitution adopted in 1921 changed the name of the school to Louisiana State Normal College.

The resources and curricula of “Normal” grew steadily to meet the increasingly diverse requirements of Louisiana’s expanding population. In 1944, the Institution’s excellent service in its broader role was accorded formal recognition in Act 326 of the Legislature, which changed its name to Northwestern State College of Louisiana.

Northwestern maintained and strengthened its long tradition of leadership in public service and academic endeavor and became, in 1954, the first college under the jurisdiction of the Louisiana State Board of Education to offer the Master’s degree. The Educational Specialist degree was first offered in 1966.

On June 18, 1970, Governor John J. McKeithen signed the legislative act which brought the old school its greatest distinction by changing its title to Northwestern State University of Louisiana.

In 1980, the old campus quadrangle where the columns stand was entered into the National Register of Historic Places under the title “Normal Hill Historic District.”

In 1984, Northwestern State University celebrated its Centennial with lectures, concerts, social events, and an effective fund-raising effort that established the Centennial Development Fund. In addition to the main campus in Natchitoches, the University maintains full-service campus centers in Shreveport, Leesville, and Alexandria and offers instruction at eight continuing education sites in the central and northwest areas of the State.

## LOCATION

The main University campus covers an area of some 916 acres immediately west of Natchitoches, Louisiana. The city is in the northwestern part of the state about 50 miles northwest of Alexandria and 75 miles southeast of Shreveport, Louisiana’s third largest city.

The campus, encompassing rolling pine hills and rich river bottom land, is one of the most spacious and attractive in the South. The natural beauty of the site drew people to it even in prehistoric times. Long the home of a major Indian tribe for which it was named, Natchitoches was fortified by the French

in 1714 as an outpost of their New World empire facing Spanish Texas to the west. The city today takes pride in its standing as the oldest permanent settlement in the entire Louisiana Purchase Territory. Although the fires of Civil War scarred the Cane River Country, Natchitoches escaped relatively unharmed, and many traces of its colonial and antebellum heritage remain.

Now a city of about 25,000, Natchitoches has an excellent system of public schools, numerous churches, a large modern hospital, and a progressive municipal government. Situated on the banks of the beautiful Cane River, Chaplin’s, and Sibley lakes, and lying in the heart of Louisiana’s lake and forest country, the city may be described as colorful and unique.

The Nursing Education Center at 1800 Line Avenue in Shreveport is the residential campus for the Department of Undergraduate Studies in Nursing and Graduate Studies and Research in Nursing. The Nursing Education Center is composed of institutional facilities including instructional areas and administrative/faculty offices. The College of Nursing and School of Allied Health also provides academic and staff services to support clinical experiences and degree offerings at the NSU campus centers in Alexandria and Leesville.

The Northwestern State University Center at Leesville is on LA Highway 467, approximately midway between Leesville and the main gate of Leesville. It occupies 160 acres of land deeded to NSU by the United States Army.

The Northwestern State University CENLA Campus Center serves the central Louisiana area with select degree programs through the Learning Center for Rapides Parish (LCRP). The LCRP, managed by the Louisiana Board of Regents, is a consortium of postsecondary institutions partnering to expand educational offerings in the area. The academic facility is located within the England Industrial Airpark & Community in Alexandria and is easily accessible to major highways connecting the various parishes of central Louisiana.

## MISSION

Northwestern State University is a responsive, student-oriented institution committed to acquiring, creating, and disseminating knowledge through innovative teaching, research, and service. With its certificate, undergraduate, and graduate programs, Northwestern State University prepares its increasingly diverse student population to contribute to an inclusive global community with a steadfast dedication to improving our region, state, and nation.

## VISION

Northwestern State University will become the nation’s premier regional university through the innovative delivery of transformative student learning experiences that prepare graduates for life and career success.

## VALUES

Our core values capture the guiding principles for how we make decisions and work together. They are the foundation for the type of University community and regional partner we strive to become. Our guiding values are:

- **Our students are our priority.** We provide each student with transformational and experiential learning experiences

to assist in the development of an ever-growing individual, scholar, and professional.

- **Diversity helps define who we are.** We welcome and respect everyone traveling on a journey for knowledge. Differences make us stronger.
- **We are future focused.** We are in constant search of individual and organizational improvement by seeking new, inclusive, and innovative opportunities to develop our students and improve our University.
- **Innovation leads the forward edge of change.** We strive to be on the forefront in all we do.
- **We honor and respect the ideals of freedom.** We protect the freedom of all members of our community to seek truth and express their views.
- **We are careful stewards.** We responsibly and sustainably manage the economic and natural resources entrusted to us.
- **Integrity is our cornerstone.** We hold ourselves to the highest ethical standards as educators, scholars, students, and professionals.
- **We are a team.** We are a collaborative community that focuses on ensuring the success of every member.

## ACCREDITATION

Northwestern State University of Louisiana is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, masters, educational specialist, and doctoral degrees. Northwestern State University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Northwestern State University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).

**Biological and Microbiology** - The baccalaureate degree in Biology with concentration in Veterinary Technology is accredited by the American Veterinary Medical Association (AVMA).

**Veterinary Technology** - The associate degree in veterinary technology is accredited by the American Veterinary Medical Association (AVMA).

**Business** - The baccalaureate degrees in Accounting, Business Administration, and Computer Information Systems are accredited by the Association for Advancement of Collegiate Schools of Business International (AACSB).

**Creative and Performing Arts** - Both the baccalaureate and master's degrees in Art are accredited by the National Association of Schools of Art and Design (NASAD). The baccalaureate and master's degrees in Music are accredited by the National Association of Schools of Music (NASM). The baccalaureate degree in Theatre is accredited by the National Association of Schools of Theatre (NAST). The baccalaureate degree in Music Education is accredited by both NASM, as well as the Council for the Accreditation of Educator Preparation (CAEP).

**Engineering Technology** - The baccalaureate degree in Electronics Engineering Technology and baccalaureate degree in Industrial Engineering Technology are accredited by ABET Engineering Technology Accreditation Commission,

<http://www.abet.org>.

**Hospitality Management and Tourism** - The baccalaureate program in Hospitality Management and Tourism is accredited by the Accreditation Commission for Programs in Hospitality Administration, PO Box 400, Oxford, Maryland 21654, telephone (410) 226-5527, <https://www.acpha-cahm.org>.

**Nursing** - All undergraduate and graduate nursing education programs offered at Northwestern State University of Louisiana have full approval of the Louisiana State Board of Nursing (LSBN).

The Associate of Science in Nursing Program at Northwestern State University of Louisiana located in Shreveport, Louisiana and offered at the Natchitoches, Alexandria, and Leesville instructional sites, is accredited by the: Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326, (404) 975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate of Science in Nursing Program is Continuing Accreditation. (<https://www.acenursing.org>)

The baccalaureate degree program in nursing, the master's degree program in nursing, Doctor of Nursing Practice program, and post-graduate APRN certificate program at Northwestern State University of Louisiana are accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC, 20001, 202-887-6791. (<http://www.ccnaccreditation.org>).

The Northwestern State University of Louisiana's Nurse Anesthesia Program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 10275 W. Higgins Rd., Suite 906, Rosemont, IL 60018-5603; (224-275-9130); <http://coacna.org>. The program's next review by the COA is scheduled for October 2026.

**Psychology and Addiction Studies** - The baccalaureate degree in Addiction Studies is accredited by the National Addiction Studies Accreditation Commission (NASAC).

**Radiologic Sciences** - The Radiography program at Northwestern State University of Louisiana is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182; (312)-704-5300; email. [mail@jrcert.org](mailto:mail@jrcert.org).

The program's current award is eight (8) years. The current accreditation award letter and additional accreditation information are available at: <https://www.jrcert.org/programs/northwestern-state-university/>.

The Diagnostic Medical Sonography program at Northwestern State University of Louisiana is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography. Commission on Accreditation of Allied Health Education Programs, 9355-113<sup>th</sup> St. North, #7709, Seminole, Florida 3375, (727) 210-2350.

**Social Work** - The baccalaureate degree in Social Work is accredited by the Council on Social Work Education.

**School of Education (SOE)** - The baccalaureate, master, and specialist programs for initial and advanced certifications in Early Childhood Education, Elementary Education, Middle School Education, Secondary Education, Health & Physical Education, Music Education, Curriculum & Instruction, Educational Leadership, Educational Technology Leadership, and Special Education are accredited by the Council for the Accreditation of Educator Preparation (CAEP).

The MA in Counseling is accredited through The Council for Accreditation of Counseling & Related Educational Programs (CACREP).

**Other Degree Programs** - All other degree programs, both at the undergraduate and graduate levels, are not required to seek program accreditation. These programs participate in an internal self-study to ensure academic rigor, student success, and viability.

Northwestern State University of Louisiana is an accredited member of the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and, as such, Northwestern recognizes and adheres to the Commission's policy regarding substantive change. When necessary, Northwestern notifies SACSCOC of changes in accordance with the policy and, when required, seeks approval prior to the initiation of changes.

As defined by SACSCOC, a substantive change is a significant modification or expansion of the nature and scope of an accredited institution. The Commission further details substantive change as high-impact, high-risk changes and changes that can impact the quality of educational programs and services.

Following are some examples of substantive changes, including those required by federal regulation. The entire list can be found in the SACSCOC Substantive Change Policy and Procedures.

- Substantially changing the established mission or objectives of an institution or its programs.
- Changing the legal status, form of control, or ownership of an institution.
- Changing governance of an institution.
- Merging/consolidating two or more institutions or entities.
- Acquiring another institution or any program or location of another institution.
- Relocating an institution or an off-campus instructional site of an institution (including a branch campus).
- Offering courses or programs at a higher or lower degree level than currently authorized.
- Adding graduate programs at an institution previously offering only undergraduate programs (including degrees, diplomas, certificates, and other for-credit credential).
- Changing the way an institution measures student progress, whether in clock hours or credit-hours; semesters, trimesters, or quarters; or time-based or non-time-based methods or measures.
- Adding a program that is a significant departure from the existing programs, or method of delivery, from those offered when the institution was last evaluated.
- Initiating programs by distance education or correspondence courses.
- Adding an additional method of delivery to a currently offered program.
- Entering into a cooperative academic arrangement.
- Entering into a written arrangement under 34 C.F.R. § 668.5 under which an institution or organization not certified to participate in the title IV Higher Education Act (HEA) programs offers less than 25% (notification) or 25-50% (approval) of one or more of the accredited institution's educational programs. An agreement offering more than 50% of one or more of an institution's programs is prohibited by federal regulation.

- Substantially increase or decreasing the number of clock hours or credit hours awarded or competencies demonstrated, or an increase in the level of credential awarded, for successful completion of one or more programs.
- Adding competency-based education programs.
- Adding each competency-based education program by direct assessment.
- Adding a new off-campus instructional site/additional location including a branch campus.
- Awarding dual or joint academic awards.
- Adding a permanent location at a site at which an institution is conducting a teach-out program for students of another institution that has ceased operating before all students have completed their program of study.
- Closing an institution, a program, a method of delivery, an off-campus instructional site, or a program at an off-campus instructional site.
- Participating in the federal Prison Education Program providing Pell Grant access to confined or incarcerated students.

It is the responsibility of the Executive Vice President and Provost, Academic Deans, Academic Department Heads, and the chair of the Curriculum Review Committee (CRC) to be generally aware of the SACSCOC Substantive Change Policy and Procedures. As soon as possible, these individuals should inform the University's SACSCOC Liaison about proposed changes that may be substantive in nature and require prior notification and approval from SACSCOC before implementation.

Reference: <https://sacscoc.org/app/uploads/2019/08/SubstantiveChange.pdf>.

Once this is done, the SACSCOC Liaison will work with the academic program(s) to determine the appropriate notification process for the proposed change. Generally, this notification should occur 9-12 months in advance of the proposed change request but varies according to SACSCOC policy. Appropriate substantive changes will be considered for approval after it is determined the required SACSCOC documentation and notification is complete. Substantive changes also require approval by the University of Louisiana System and Board of Regents.

For substantive changes requiring notification only, the SACSCOC Liaison prepares the letter of notification after having received the requisite approved internal documentation regarding the change.

For substantive changes requiring SACSCOC approval prior to implementation, the requisite SACSCOC documentation is typically prepared by the department head and then submitted for review and approval through the supervisory line to the SACSCOC Liaison and then to the Executive Vice-President and Provost (i.e., Director/Department Head > Dean > SACSCOC Liaison > Provost). The SACSCOC Liaison is available to work with the dean and department head during the preparation of the documentation.

All documentation concerning accreditation status or action must be submitted to the Office of the Provost.

## NOTICE OF NON-DISCRIMINATION (FULL DISCLOSURE)

It has been, and will continue to be, the policy of Northwestern State University to be an equal opportunity employer. All employment decisions are based on job related standards and must comply with the principles of equal employment opportunity.

In keeping with this policy, the University will continue to recruit, hire, train, and promote into all job levels the most qualified persons without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran status or retirement status. All personnel actions, such as compensation, benefits, transfers, layoffs, training, and education are administered without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran status or retirement status.

The University is committed to equal opportunity for student success by providing access to educational programs, tuition assistance, and social and recreational activities for all students without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran status or retirement status.

Additionally, the University provides equal access to the Boy Scouts of America and other designated youth groups.

All complaints or inquires related to Title IX should be directed to the Director of Title IX Compliance and Title IX Coordinator, Julie Powell (318-357-5570), Room 306 of the Friedman Student Union or email [obannonj@nsula.edu](mailto:obannonj@nsula.edu).

In accordance with Section 35.106 of the Americans with Disabilities Act (ADA), all participants, applicants, organizations, and interested individuals are advised and notified that the ADA Coordinator for Northwestern State University for facilities is the Director of University Affairs, Jennifer Kelly (318-357-4300), located in 310 Sam Sibley Drive, Caspari Hall Ste.128 or email [andersonje@nsula.edu](mailto:andersonje@nsula.edu). For student academic services, contact the Director of Access and Disability Support, Crissey Smith (318-357-5460) located in Room 108-C Watson Memorial Library or email [smithcr@nsula.edu](mailto:smithcr@nsula.edu). For faculty/staff accommodations and services, contact Executive Director of Institutional Effectiveness and Human Resources, Veronica M. Biscoe (318-357-6359), Room 111 Caspari Hall or email [ramirezv@nsula.edu](mailto:ramirezv@nsula.edu).

## EUGENE P. WATSON MEMORIAL LIBRARY

Eugene P. Watson Memorial Library is a three-story modular structure with a floor area of approximately 95,000 square feet. The library collection consists of 201,000+ books, 458,000 government documents, 8,218 audio visual items, and 50,000 journals, newspapers, and magazines available in print, electronically, and through full-text databases. The first floor contains the circulation department. The second floor houses the reference department with six computers to access the online catalog, electronic resources, and databases. Students may contact the reference staff in person, via telephone, or through email. Students may schedule research consultations for help with research. Three group study rooms are located on the second floor. The Third floor houses the administrative office, the serials-media center, and the Cammie G. Henry Research Center. The

serials-media center provides scholarly journals, magazines, newspapers, microforms, CDs, and DVDs. The Cammie G. Henry Research Center has the Louisiana Collection, Rare Books, and University Archives. The branch library in the Nursing Education Center in Shreveport is dedicated to medical and nursing resources. The branch at Leesville houses a general collection. The Prince Music Library in CAPA houses music resources. The library and branches are part of the LOUIS consortium consisting of all the academic libraries in the state. The consortium provides over 70 databases, many of which are full text. For additional information about the library, please see the library web page at <http://library.nsula.edu>.

## WILLIAMSON MUSEUM

The Williamson Museum was founded by Professor George Williamson in 1922. He donated his extensive archaeological and natural history collections to Northwestern State University. He retired and became the curator of the museum in Guardia Hall on the Natchitoches Campus. That building burned in 1965 and the present collections have been acquired by research and donation since that time. The Museum is located on the second floor of Keyser Hall, Room 210, on the Natchitoches Campus.

The museum supports University classes in anthropology, history, folklife and the arts. It has, since 1965, specialized in the archaeology and ethnology of present and past American Indian cultures and peoples, with emphasis on the Louisiana tribes and their neighbors across the southeastern United States. The museum has agreements under the Native American Graves Protection and Repatriation Act for Federally acknowledged Tribes and Nations. It also serves as an official repository for archaeological collections recovered from Federal and State lands in northwestern Louisiana. It presently curates ethnological materials from forty-one south and eastern American Indian tribes and communities and over seven hundred archaeological site collections from Louisiana. Joint curation is held with the Louisiana Division of Archaeology, the Caddo Nation of Oklahoma, the Tunica-Biloxi Tribe of Louisiana and the Coushatta Tribe of Louisiana.

The materials are available to qualified researchers and graduate students. The Louisiana Division of Archaeology, the U.S. National Park Service Department of Interior and the federally acknowledged tribes must be consulted and give written permission for access and study of collections curated jointly or subject to State and Federal legal regulations.

The museum operates under the governance of the University policies with a museum board consisting of representatives from the fields of Archaeology, Ethnology, Folklife, and representatives from Federal and State Acknowledged American Indian Tribes. The President of the University, the Dean of Arts and Sciences, and the Chair of the School of Social Sciences and Applied Programs are ex-Officio members of the Board.

The museum consists of an exhibit area, three laboratory and curation spaces in Keyser Hall. Exhibits are available during the regular hours of the university. Open Monday through Friday. Other times are by appointment. For more information, please contact the Curator, Dr. Hiram Gregory, (318) 357-8667 or [gregoryh@nsula.edu](mailto:gregoryh@nsula.edu).

## **CREOLE HERITAGE CENTER**

The Creole Heritage Center opened its doors at NSU in the fall of 1998 and has a current mission to preserve, educate, and advocate the value and significance of the vibrant Louisiana Creole people and their culture. It is home to a Genealogy and Resource Library for the study and preservation of Louisiana Creoles and their heritage throughout the state, nation, and world. Throughout its history, the Center has held numerous conferences and celebrations on Louisiana Creoles; published reliable information and teaching materials on Louisiana Creole history, culture, and genealogies; and otherwise supported the understanding and appreciation of Louisiana Creoles and their contributions to our communities and the world.

The Creole Heritage Center is located on the first floor of Kyser Hall. Visitors and researchers should contact the Center in advance at (318) 357-6685 or by email: [creolecenter@nsula.edu](mailto:creolecenter@nsula.edu). More information can be found online at <https://nsula.edu/creole>.

## **THE NORTHWESTERN STATE UNIVERSITY PRESS**

The Northwestern State University Press, created in 1978, specializes in works which contribute to a greater knowledge and understanding of the state and region.

The imprint is controlled by the Director of the Press. Communications should be addressed to the Director, Northwestern State University Press, P.O. Box 5305, Northwestern State University, Natchitoches, LA 71497-0002.

## **THE SOUTHERN STUDIES INSTITUTE**

Principal objectives of the Southern Studies Institute are encouragement of original research and publication of studies in fields which contribute to a greater knowledge and understanding of the South and its regional setting. The Institute publishes *Southern Studies: An Interdisciplinary Journal of the South*. Communications and manuscript submissions should be addressed to the Managing Editor, Southern Studies, Northwestern State University, Natchitoches, LA 71497-0002 or [so\\_studies@nsula.edu](mailto:so_studies@nsula.edu).

## **LOUISIANA FOLKLIFE CENTER**

The Louisiana Folklife Center was established in 1976 at NSU to identify, document, and present Louisiana's traditional arts. The center has established a number of vehicles to accomplish its goals. In the summer the center presents the Natchitoches/NSU Folk Festival in Prather Coliseum. During the academic year, the center publishes *Louisiana Folklife*, produces and distributes documentary records, provides logistical support for the Folklife Society of Louisiana, and maintains a folklife archive. The center also hosts a variety of conferences dealing with various aspects of Louisiana culture and maintains both the Louisiana Folklife Database and a World Wide Web site for Louisiana Folk Artists. Additionally, the Louisiana Folklife Center houses one of the five Division of Arts funded Regional Folklorists. The Regional Folklorist documents Northwest Louisiana and the Neutral Strip. The Regional Folklorist also maintains the statewide Folk Artist database. The center offers a library including folklife materials, over 2,000 hours of interviews and audio recordings from the Natchitoches/NSU Folk Festival, and support for those wishing to study Louisiana Folk Culture.



# DEGREES AND CERTIFICATION PROGRAMS OFFERED AT THE UNIVERSITY

## **ASSOCIATE**

### **Associate Degree (A.D.)**

- Veterinary Technology

### **Associate of General Studies (A.G.S.)**

- General Studies, with concentrations in: allied health, child and family studies, radiologic sciences

### **Associate of Science (A.S.)**

- Engineering Technology, with concentrations in: Advanced manufacturing, electronics, industrial

### **Associate of Science in Nursing (A.S.N.)**

- Nursing

## **BACCALAUREATE**

### **Bachelor of Applied Science (B.A.S.)**

- Allied Health, with concentration in: health science and technology; health science leadership and management

### **Bachelor of Arts (B.A.)**

- Communication, with concentrations in: journalism, broadcast and digital media production, sports media, strategic communication
- Criminal Justice, with concentration in: pre-law and paralegal studies
- English, with concentrations in: creative writing, film studies, folklife/southern culture, literature, professional writing
- History
- Liberal Arts, with concentrations in: archaeology, business, technology, and society, classical studies, creative and performing arts industry, cultural anthropology, fine and performing arts, foreign language, geography, humanities and social thought, international relations, philosophy, politics, and economics, scientific inquiry

### **Bachelor of Fine Arts (B.F.A.)**

- Dance
- Fine and Graphic Arts, with concentrations in: craft, graphic communications, interdisciplinary design, studio art
- Musical Theatre
- Production and Design

### **Bachelor of General Studies (B.G.S.)**

- General Studies, with concentrations in: arts and communication, computer and natural sciences, professional studies, social science, 21<sup>st</sup> century organizational learning

### **Bachelor of Music (B.M.)**

- Music, with concentrations in: music business, performance, sacred music

### **Bachelor of Music Education (B.M.E.)**

- Music Education-Instrumental, Grades K-12
- Music Education-Vocal, Grades K-12
- Music Education-Vocal/Instrumental, Grades K-12

### **Bachelor of Science (B.S.)**

- Accounting
- Addiction Studies, with a concentration in: industrial organizational behavior
- Applied Microbiology, with concentrations in:

environmental and applied microbiology, medical and health profession

- Biology, with concentrations in: agribusiness, biomedical, clinical laboratory science, forensic investigation, general biology, veterinary technology, wildlife biology and conservation
- Business Administration, with concentrations in: business analytics, entrepreneurship, finance, human resources, international business, management, marketing, pre-law (business)
- Computer Information Systems, with concentrations in: application development, information systems management, networking and cyber security
- Early Childhood Education, Grades Pre-K-3
- Electronics Engineering Technology, with concentrations in: biomedical, electronics
- Elementary Education, Grades 1-5
- Child and Family Studies, with concentrations in: child development and family relations, consumer services
- Health and Exercise Science, with concentrations in: kinesiology, pre-athletic training, pre-occupational therapy, pre-physical therapy
- Health and Physical Education, Grades K-12
- Hospitality Management and Tourism, with concentrations in: culinary arts, event management, hospitality services, travel and tourism
- Industrial Engineering Technology
- Mathematics, with concentrations in: computer science, healthcare informatics, actuarial mathematics, applied mathematics, sport analytics
- Physical Science, with a concentration in: biochemistry, chemistry, forensic laboratory science, physics
- Psychology, with concentrations in: industrial organizational behavior, prevention specialist, substance abuse
- Radiologic Sciences, with concentrations in: ultrasound, radiography
- Secondary Education and Teaching, with concentrations in: agriculture education, biology education, business education, English education, mathematics education, social studies education
- Sport and Recreation Management
- Theatre, with concentrations in: musical theatre performance, performance/directing
- Unified Public Safety Administration, with concentrations in: emergency management administration, fire and emergency medical services administration, geo computation, law enforcement administration, nuclear surety management, public facilities management

### **Bachelor of Science in Nursing (B.S.N.)**

- Nursing

### **Bachelor of Social Work (B.S.W.)**

- Social Work

## **GRADUATE**

### **Master of Arts (M.A.)**

- Adult Learning and Development, with concentrations in: adult and workforce development, e-learning, English, homeland security
- Art
- Counseling, with concentrations in: clinical mental health counseling, school counseling

- English, with concentrations in: composition and rhetoric, creative writing, folklife/southern culture, literature, generalist, teaching English to speakers of other languages
- Student Affairs in Higher Education

#### **Master of Arts in Teaching (M.A.T.)**

- Early Childhood Education Grades PK-3, with a concentration in: professional studies
- Elementary Education Grades 1-5, with a concentration in: professional studies
- Elementary Education & Special Education Mild/Moderate, Grades 1-5, with a concentration in: professional studies
- Middle School Education Grades 4-8, with a concentration in: professional studies
- Middle School Education & Special Education Mild/Moderate, Grades 4-8, with a concentration in: professional studies
- Secondary Education Grades 6-12, with a concentration in: professional studies
- Secondary Education & Special Education Mild/Moderate, Grades 6-12, with a concentration in: professional studies

#### **Master of Education (M.Ed.)**

- Curriculum and Instruction, with concentrations in: Academic Content, English as a second language (ESL), English education, instructional design, reading, school librarian, transition to teaching
- Early Childhood Education
- Educational Leadership
- Educational Technology Leadership, with concentrations in: educational technology leadership for K-12, educational technology leadership for workforce development
- Special Education, with concentrations in: early intervention, gifted education, elementary (grades 1-5) mild/moderate special education, middle school (grades 4-8) and secondary (grades 6-12) mild/moderate special education

#### **Master of Music (M.M.)**

- Music, with concentrations in: music education, performance

#### **Master of Science (M.S.)**

- Allied Health
- Psychology, Clinical, with concentration in: addiction studies, substance abuse
- Computer Information Systems
- Health and Human Performance, with concentrations in: exercise physiology, public health, sport administration
- Homeland Security
- Radiologic Sciences, with concentrations in: radiologic sciences education, radiologic sciences administration

#### **Master of Science in Nursing (M.S.N.)**

- Nursing, with concentrations in: adult gerontology nursing administration, adult gerontology nursing education, adult-gerontology acute care nurse practitioner, adult gerontology primary care pediatric nurse practitioner, family nurse practitioner, primary care pediatric nurse practitioner, psychiatric mental health nurse practitioner - lifespan, women's health nurse practitioner, maternal child and family nursing administration, maternal child and family nursing education

#### **Master of Social Work (M.S.W.)**

- Social Work

#### **Educational Specialist (Ed.S.)**

- Educational Leadership & Instruction, with concentrations in: educational leadership, educational technology, special education

#### **Doctor of Education (Ed.D.)**

- Adult Learning and Development, with concentrations in: adult learning and workforce development, community college leadership

#### **Doctor of Nursing Practice (D.N.P.)**

- Nursing Practice, with concentrations in: nurse anesthesia, executive leadership, educational leadership

#### **Post Baccalaureate/Post Masters/Undergraduate and Graduate Certificates (add-on certification) Programs**

Northwestern State University has been authorized by the Louisiana Board of Regents to offer undergraduate and graduate certificate programs. Undergraduate Certificates (UCs) and Post Baccalaureate Certificates (PBCs) are considered undergraduate certificate programs; Graduate Certificates (GCs) and Post Masters Certificates (PMCs) are considered graduate certificate programs.

Refer to the Office of the Registrar's web site at [www.nsula.edu/registrar](http://www.nsula.edu/registrar) for a listing of certificate programs. For additional detailed information about certificate programs, please see the web page of the department who owns the program.

#### **Granting of Degree for Completion of the First Year of Medical or Dental School**

Northwestern State University will award a Bachelor of Science degree to students who have been accepted to medical or dental school after their junior year at NSU and who successfully complete the first year of either medical or dental school. Students must make application for graduation at NSU.

### **SCHOLASTIC HONORS PROGRAMS**

#### **University Honors Program**

The University Honors Program offers those students who demonstrate superior intellectual potential an additional intensive and enriched academic experience. Academic areas offering Honors curricula include the School of Business, the School of Science, Technology, Engineering, and Mathematics, the School of Creative and Performing Arts, the Department of Psychology and Addiction Studies, and the College of Nursing & School of Allied Health. Many other departments will be offering honors curricula in subsequent semesters.

Northwestern's Honors Program is not a separate degree program. Honors Program students have the opportunity to select courses that will augment their chosen degree program. Honors courses will fit seamlessly into the student's degree program as either a required course or as elective credit.

#### **Admission Requirements:**

##### New students:

- ACT requirement will be 25.
- Regents Core curriculum must meet a minimum of a 3.2 GPA.

##### Provisional admission for incoming students:

Students may be provisionally admitted into the Honors Program with one deficiency:

- ACT of 23 or 24 and a minimum 3.2 GPA OR
- ACT of 25 with a minimum 3.0 GPA

Students admitted provisionally must maintain a minimum 3.0 GPA during their first semester and must present a letter of support from any Northwestern faculty member at the end of the first semester. For transfer students, participation in the Honors Program requires 30 hours of completed college-level work with a 3.25 or greater GPA.

##### Continuing students:

- Must have earned a 3.25 overall GPA in a minimum of thirty hours.

### Requirements for all students participating in the Honors Program:

Students participating in the Honors Program must maintain a cumulative 3.25 GPA. They must earn no grade lower than a “C” within the Honors Curriculum and must not earn more than 2 (two) grades of “C” in the Honors Curriculum. To graduate from the Honors Program students must have a minimum 3.25 GPA.

Courses with an Honors designation will be completed via contract between the student and the course instructor.

There are two paths for participation in the Honors Program. The first applies to incoming freshmen who will choose 12 lower-level and 12 upper-level Honors courses. The second is designed for existing students who wish to have Honors designation on the transcript. They must complete 24 upper-level honors courses, of which at least 12 hours must be in their major.

For more information on the Honors Program, students should contact the honors advisor in the department/school of their major or the College of Arts and Sciences.

### Louisiana Scholars’ College Honors Program

Northwestern State University is home to the Louisiana Scholars’ College, the state’s designated selective-admissions honors college in the liberal arts and sciences. The broad, multidisciplinary focus of the Scholars’ College offers students of superior scholastic ability the opportunity to develop an individualized degree program of enhanced academic rigor or the chance to pursue a traditional major in the Colleges of Arts and Sciences, Education and Human Development, Nursing and Allied Health, or Business and Technology coupled with a comprehensive, four-year, integrated course of study in the liberal arts and sciences. While the program is academic in focus, Scholars’ College students, faculty, and staff form a distinct community on campus, and freshmen reside in the College’s honors dormitory.

Incoming students whose standardized test scores (ACT or SAT) indicate high scholastic ability will be invited to apply for admission by the Director of the College. Inquiries and applications from others that feel qualified for admission are welcome. Transfer applications will be considered.

For more information on the College’s curriculum, please refer to the listing in this catalog for the Louisiana Scholars’ College. In general, courses in the College’s Common Curriculum are open only to students enrolled in the Scholars’ College. However, the College does offer accelerated study in French, Latin, and Spanish to all NSU students. Advanced courses in all disciplines are open to qualified students.

### Northwestern’s International Programs

Courses are offered by the University at international study sites, usually during the summer, with instruction by regular Northwestern faculty members. Academic classes and sites vary each year.

The University is a member of the **International Student Exchange Program (ISEP)**, a network of 300 institutions of higher education that exchange students between the United States and 50 countries around the world, including members from Africa, Asia, Australia, the British Isles, Canada, Europe and Latin America. Through ISEP, students at NSU may be placed at member institutions abroad. ISEP participants are fully matriculated at their host institutions and enroll in courses and sit for examinations with regularly enrolled students. ISEP exchange can take place in most academic

disciplines and at any academic level. Students who choose to study at a host institution where the language of instruction is not English will be required to demonstrate proficiency in the foreign language. ISEP exchanges normally last for a full academic year, but some institutions make one-term or summer exchanges available. Students can apply to extend their exchange period in certain circumstances for as long as an additional academic year.

ISEP students pay regular tuition and fees (including room and board) at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarships can be applied toward participation in ISEP. Credit earned in the ISEP program can be applied toward a degree at NSU. In some cases, enrollment in a degree program at an ISEP host institution can be arranged.

Additional information about the program can be obtained from the ISEP Coordinator, Valentina Herazo-Alvarez, 249 Student Service Center.

Northwestern is a member of **The Council for the Development of French in Louisiana (CODOFIL)**, and the **Interuniversity Mission for the Coordination of Franco-American Exchanges (MICEFA)**, which provide opportunities for the training of teachers of French (K-12) and other exchanges, particularly those emphasizing intensive study of French at institutions in France and in French territories. Proficiency in French is required. Students pay regular tuition and fees at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarship packages can be applied toward participation in these programs. Credit earned can be applied toward a degree at NSU. Additional scholarship support from the government of France is available to qualified students.

Additional information about the program can be obtained from NSU’s CODOFIL representative, Christine Ferrell, email [ferrellc@nsula.edu](mailto:ferrellc@nsula.edu).

### The International Baccalaureate Diploma Programme (IB)

Students of the International Baccalaureate Diploma Programme who hold the IB diploma and pass the Higher Level subject exams with certain minimum scores are eligible to receive credit on the basis of such exams. The official International Baccalaureate transcript is required in order to award credit. All IB students can avail themselves of a dedicated IB advisor at Northwestern until they select an advisor in their major.

Additional information about the program can be obtained from Dr. Keith Dromm, 205 Morrison Hall or email [drommk@nsula.edu](mailto:drommk@nsula.edu).

### National Student Exchange (NSE)

Northwestern State University is a member of the National Student Exchange (NSE) which is a domestic exchange program of over 200 member institutions. There are exchange partners in nearly every state in the U.S., some in Canada, the Virgin Islands, Puerto Rico, Alaska, Hawaii and Guam. Students can exchange with another NSE member university for up to one academic year. During the exchange, students have a chance to experience life in another part of the country while earning credit toward graduation. Students work with an advisor to see what courses will transfer and are beneficial to their major. NSE has been an active program for over 40 years and served thousands of students. Additional information about NSE can be obtained from Valentina Herazo-Alvarez, 249 Student Service Center.

**Cooperative Occupational Work Program**

Northwestern State University has a Cooperative Occupational Work Program whereby students can gain on-the-job practical training while they pursue their formal education. University credit, as well as pay, is earned by the students as they participate in these institutionally planned and supervised work experiences.

For further information contact The Office of Cooperative Education, Northwestern State University, Natchitoches, Louisiana 71497-0002 or telephone (318) 357-5715.

# ADMISSION TO THE UNIVERSITY

Note: Anyone interested in entering Graduate School should refer to the Graduate School section of this catalog.

## Campus Visits and Recruiting

While interviews are not required for admission to NSU, prospective students are urged to visit the campus. Scheduling a tour is easy, just go to NSU.LA/Tours, select a time and date, and you'll hear from us shortly. A campus tour itinerary will be designed to meet your specific needs and may include visits with admissions, financial aid counselors, faculty advisors, and staff. Persons interested in seeking personal assistance in attending or visiting NSU may contact University Recruiting by e-mail at [recruiting@nsula.edu](mailto:recruiting@nsula.edu), by phone toll-free at 1-800-327-1903, or mail to University Recruiting, NSU, Natchitoches, LA, 71497. Office hours are Monday-Thursday 8:00 a.m. to 4:30 p.m., and Friday 8:00 a.m. to 12:00 p.m. (except holidays).

## Undergraduate Admission

Persons with questions about admission processing or admit status should call (318) 357-4078 or 1-800-767-8115, e-mail [applications@nsula.edu](mailto:applications@nsula.edu), visit our web page at [www.nsula.edu/admissions](http://www.nsula.edu/admissions), or write to the Office of Admissions, Northwestern State University, 306 Sam Sibley Drive, Natchitoches, Louisiana 71497.

All applicants are encouraged to apply before the scheduled deadline dates and should have all credentials (college transcripts, ACT or SAT scores, Immunization Record, etc.) submitted to the Office of Admissions for admission review. The Student Transcript System (STS) will be used to obtain the official transcript for Louisiana high school graduates of years 2017 to present. Out-of-state freshmen and Louisiana graduates prior to 2017 must have their final official transcript sent from the high school to NSU. Male applicants who will be between the ages of 18 and 25 by registration must submit proof of registration with Selective Service. All re-enrolling NSU students who have not been enrolled for the **previous three semesters (including summer) must submit an** application for re-admission and the application fee.

### Application deadlines are:

- August 1 for Fall
- November 2 for Spring
- April 5 for Summer

Northwestern will enforce the application deadline for all undergraduate applications. In addition, all credentials (official transcripts, ACT or SAT scores, etc.) must be in the Office of Admissions by the deadline dates.

### Credential deadlines are:

- August 8 for fall
- November 16 for spring
- April 19 for summer

Any student who submits an application after the stated deadline will be considered on a case-by-case basis only. If a late application is accepted, the applicant may have to register late and pay a late registration fee.

### Application Fee

- An application fee of \$20 must be submitted with the application for admission.
- The application fee is non-refundable and is not applied toward any other fees.

- Any student who has not attended NSU for three consecutive semesters (fall, spring, & summer) must re-apply for admission and pay the application fee.
- Economic hardship fee waivers are available for those who qualify. Please visit [www.nsula.edu/admissions](http://www.nsula.edu/admissions) for more information.

## Admission of Current High School Students

Under certain conditions, some students may be admitted to Northwestern prior to graduation from high school. Three programs are available:

### A. Dual Enrollment Program

Northwestern State University offers courses for college credit for selected high school students through two dual enrollment programs: Eligible 11<sup>th</sup> and 12<sup>th</sup> grade students can apply to deNSU Early College and eligible 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade apply to deNSU Fast Forward (Associate of General Studies degree program). Students can earn college credit while enrolled in courses taught at their high school by NSU credentialed high school teachers. Students may also enroll in online courses directly through Northwestern or in traditional courses on Northwestern's campus.

### General Requirements:

1. Student must be enrolled in a Louisiana public, private, or parochial school, or in a Louisiana Department of Education BESE-Approved Home Study Program.
2. Student must be in good standing as defined by the high school.
3. Student must be on track for completing (by graduation from high school) the required Louisiana Board of Regents' Core Curriculum.
4. Students must be enrolled in a college course for which dual credit is attempted and recorded on both student's secondary and postsecondary academic record.
5. A student must meet the Louisiana Board of Regents Student Eligibility Requirements to enroll in academic courses. Northwestern State University reserves the right to set higher admission standards.
6. High school is responsible for verifying students' high school grade point average prior to the start of each NSU semester to continue dual enrollment.
7. A student must meet the prerequisite requirements of an NSU course to enroll.

### Criteria for Admission:

deNSU Early College Access: non-degree seeking students taking dual enrollment courses; must be in 11<sup>th</sup> or 12<sup>th</sup> grade; have a 2.5 cumulative high school GPA; and meet subject specific minimum scores on approved assessments or have a counselor recommendation based on overall student performance and grade trends in the subject area. Approved assessments include Accuplacer NG, Pre-ACT, Pre-SAT, ACT, SAT, EOC and Leap 2025. BESE Approved Home Study students must submit approved assessments. Students must maintain an NSU cumulative GPA of 2.0 and will follow the university's policy regarding scholastic probation, suspension, and readmission regulations.

deNSU Fast Forward: students taking dual enrollment courses towards an Associate of General Studies degree program; must be in 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade; must complete application with Academic Advising; have a 3.5 cumulative high school GPA; and meet subject-specific minimum scores on approved assessments. Approved assessments include Accuplacer NG, Pre-ACT, Pre-SAT, ACT, SAT, EOC and Leap 2025. Students must maintain an NSU cumulative GPA of 2.5.

### Criteria for Admission:

deNSU Early College Access: non-degree seeking students taking dual enrollment courses; must be in 11<sup>th</sup> or 12<sup>th</sup> grade; have a 2.5 cumulative high school GPA; and meet subject specific minimum scores on approved assessments or have a counselor recommendation based on overall student performance and grade trends in the subject area. Approved assessments include Accuplacer NG, Pre-ACT, Pre-SAT, ACT, SAT, EOC and Leap 2025. BESE Approved Home Study students must submit approved assessments. Students must maintain an NSU cumulative GPA of 2.0 and will follow the university's policy regarding scholastic probation, suspension, and readmission regulations.

deNSU Fast Forward: students taking dual enrollment courses towards an Associate of General Studies degree program; must be in 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade; must complete application with Academic Advising; have a 3.5 cumulative high school GPA; and meet subject-specific minimum scores on approved assessments. Approved assessments include Accuplacer NG, Pre-ACT, Pre-SAT, ACT, SAT, EOC and Leap 2025. Students must maintain an NSU cumulative GPA of 2.5.

### Academic Courses:

Students may enroll in courses listed on the Louisiana Board of Regents' Master Course Articulation Matrix.

### Contact Information:

Inquiries regarding the dual enrollment program should be directed to:

Northwestern State University  
Office of Electronic and Continuing Education

## Project Lead The Way (PLTW) – An Articulated College Credit Program for Current High School Students

### I. Engineering

Northwestern State University invites high school students to enroll in PLTW Engineering High School Courses in PLTW High Schools as a means for enriching their educational experiences and, at the same time, earn articulated college credits which may be applied toward a degree upon graduation from high school. This PLTW program is available during each school session—fall and spring semesters.

To be eligible for this program at Northwestern State University a student must:

1. Successfully complete a PLTW administered end of course examination in selected Engineering courses with a Stanine score of 7 or better.
2. Engineering courses eligible for articulated college credit are:

| PLTW Engineering Course | NSU Engineering Technology Course |          |          |          | Semester Hours Credited |
|-------------------------|-----------------------------------|----------|----------|----------|-------------------------|
|                         | IET 1400                          | IET 1700 | EET 1311 | IET 3460 |                         |
| IED                     | X                                 |          |          |          | 3                       |
| POE                     |                                   | X        |          |          | 1                       |
| DE                      |                                   |          | X        |          | 1                       |
| CEA                     |                                   |          |          | X        | 3                       |

IED (Introduction to Engineering Design); POE (Principles of Engineering); DE (Digital Electronics); CEA (Civil Engineering and Architecture)

3. Apply for this credit program during the year in which he/she takes the PLTW administered end of course examination.
4. Upon completion of their high school career and graduation from high school, a student must meet Northwestern State University Admission requirements for the respective academic year they enter Northwestern as an undergraduate.
5. Student must apply for admission to Northwestern State University in an applicable Engineering Technology degree program and pay admission application fees.
6. Award of credit for PLTW courses will be applied to a student's transcript following their admission, matriculation, and the beginning of their first semester's course work in Engineering Technology at NSU.

### Admission to the PLTW Engineering program:

Applications and inquiries about Project Lead The Way Program must be addressed to:

Northwestern State University of Louisiana  
Department of Engineering Technology Room  
101, Williamson Hall  
Natchitoches, LA 71497  
Phone: 318 357-6751  
E-mail: [engineering@nsula.edu](mailto:engineering@nsula.edu)

Letters of invitation, instructions, and application forms for participating students will be provided by the Department of Engineering Technology to high school teachers, counselors or principals of students qualifying for this program.

### II. Biological Sciences

Northwestern State University invites high school students to enroll in PLTW Biomedical High School Courses in PLTW High Schools as a means for enriching their educational experiences and, at the same time, earn articulated college credits which may be applied toward a degree upon graduation from high school.

To be eligible for this program at Northwestern State University a student must:

1. Successfully complete a PLTW administered end of course assessment in selected Biomedical courses with a value of "Accomplished" or "Distinguished". If end of course assessments are cancelled due to extenuating circumstances, NSU will award credit based on the transcript grade of "C" or above.
2. Complete an eligible PLTW Biomedical course as follows:
  - Principles of Biomedical Science (1 yr.) – Credit for SCI 1020 (3 credit hours)
  - Human Body Systems (1 yr.) – Credit for SCI 2020 (3 credit hours)
  - Medical Interventions (1 yr.) – Credit for Science elective (3 credit hours) which could be used as a Biology elective
  - Biomedical Intervention (1 yr.) – Credit for Science elective (3 credit hours) which could be used as a Biology elective
3. Apply for this credit program during the year in which the student takes the PLTW administered end of course examination. Applications after this time period will be handled by the unit on a case-by-case basis.
4. Meet Northwestern State University admission requirements for the respective academic year they enter Northwestern State as an undergraduate student.

Awarding of credit for the above PLTW courses will be applied to a student's transcript following their admission and enrollment in their first semester as an undergraduate, degree-seeking student at Northwestern State University.

Applications for credit and inquiries regarding credit for the Project Lead the Way Biomedical courses should be addressed to:

Department of Biology and Microbiology  
112 Bienvenu Hall  
Northwestern State University Natchitoches,  
LA 71497  
Phone: 318-357-5323  
E-mail: [bio\\_sci@nsula.edu](mailto:bio_sci@nsula.edu)

Letters of invitation, application forms and instructions for participating students will be provided by the Department of Biology and Microbiology to high school teachers, counselors and/or principals of students qualifying for this program.

### III. Computer Information Systems

Northwestern State University invites high school students to enroll in PLTW Computer Science High School Courses in PLTW High Schools as a means for enriching their educational experiences and, at the same time, earn articulated college credits which may be applied toward a degree upon graduation from high school.

To be eligible for this program at Northwestern State University a student must:

1. Successfully complete a PLTW administered end of course assessment in selected Computer Science course with a value of "Accomplished" or "Distinguished". If end of course assessments are cancelled due to extenuating circumstances, NSU will award credit based on the transcript grade of "C" or above.
2. Complete an eligible PLTW Computer Science course as follows:
  - Computer Science Principles – Credit for CIS 1015 (3 credit hours)
  - Computer Science Essentials – Credit for CIS elective (3 credit hours)
  - Computer Science A – Credit for CIS elective (3 credit hours)
  - Cybersecurity – Credit for CIS elective (3 credit hours)
3. Apply for this credit program during the year in which the student takes the PLTW administered end of course examination. Applications after this time period will be handled by the unit on a case-by-case basis.
4. Meet Northwestern State University admission requirements for the respective academic year they enter Northwestern State as an undergraduate student.

Awarding of credit for the above PLTW courses will be applied to a student's transcript following their admission and enrollment in their first semester as an undergraduate,

degree-seeking student at Northwestern State University.

Applications for credit and inquiries regarding credit for the Project Lead the Way Computer Science courses should be addressed to:

School of Business – Computer Information Systems  
201A Russell Hall  
Northwestern State University Natchitoches,  
LA 71497  
Phone: 318-357-5162  
E-mail: [cis@nsula.edu](mailto:cis@nsula.edu)

Letters of invitation, application forms and instructions for participating students will be provided by the School of Business to high school teachers, counselors and/or principals of students qualifying for this program.

### Admission to Degree Programs

There are special requirements for admission to some degree programs. The College of Nursing and School of Allied Health lists its requirements elsewhere in this catalog. No one will be accepted for teacher certification who is ineligible to enter the school of education in which he/she was last enrolled. Admission to the University does not guarantee admission to a degree program.

### Admission Decisions

Admission decisions are mailed after all credentials have been received in the Office of Admissions and reviewed. Favorable decisions may be revoked if information received later, such as college transcripts, indicates that the applicant is ineligible for admission.

NSU reserves the right to deny admission or re-admission to any applicant when such action is deemed to be in the best interest of the applicant and/or the university community.

### Minimum Admission Criteria

#### Freshman Admission

In-State, Out-of-State, and Home Schooled must meet the following requirements:

#### Regular Admission

##### **Louisiana High School Graduates**

- 19 units Regents' Core Curriculum (Core 4) with a 2.0 GPA **AND**
- No Minimum ACT required with a 2.35 or higher GPA **AND**
- 18+ English ACT or 25-33 Writing & Language SAT or 250+ Writing ACCUPLACER **OR**
- 19+ Math ACT or 500+ or 25.0+ Math SAT or 250+ QRAS ACCUPLACER

##### **Out-of-State/Home School Graduates**

- 19 units Regents' Core Curriculum (Core 4) with a 2.0 GPA **AND**
- No Minimum ACT required with a 2.35 or higher GPA **AND**
- 18+ English ACT or 25-33 Writing & Language SAT or 250+ Writing ACCUPLACER **OR**
- 19+ Math ACT or 500+ or 25.0+ Math SAT or 250+ QRAS ACCUPLACER **OR**
- 17-18 units Regents' Core Curriculum (Core 4) completed with a 2.0 GPA **AND**
- No Minimum ACT required with a 2.35 or higher GPA **AND**
- 18+ English ACT or 25-33 Writing & Language SAT or 250+ Writing ACCUPLACER **OR**
- 19+ Math ACT or 500+ or 25.0+ Math SAT or 250+ QRAS ACCUPLACER **OR**
- 23 ACT Composite **AND**
- 18+ English ACT or 25-33 Writing & Language SAT or 250+ Writing ACCUPLACER **OR**
- 19+ Math ACT or 500+ or 25.0+ Math SAT or 250+ QRAS ACCUPLACER



## **Conditional Admission**

### **Louisiana High School Graduates/Out-of-State & Home School Graduates**

- 19 units Regents' Core Curriculum (Core 4) with a 2.0 GPA  
**AND**
  - No Minimum ACT required with a 2.35 or higher GPA  
**AND**
  - **ONE OF THE FOLLOWING:**
    - 18+ English ACT or 25-33 Writing & Language SAT or 250+ Writing ACCUPLACER **OR**
    - \*15-18 Math ACT/390-470 or 21.5-24.5 Math SAT/240 QRAS ACCUPLACER  
**OR**
    - 19+ Math ACT or 500+ or 25.0+ Math SAT or 250+ QRAS ACCUPLACER **OR**
    - \*15-17 English ACT/22-24 Writing & Language SAT/241-249 QRAS ACCUPLACER
- \* Must complete Math/English required based on NSU's ACT/SAT/Accuplacer placement policy within three semesters to continue enrollment at NSU.

### **Admission Exceptions:**

Students who do not meet the admission requirements may be admitted under the admission exceptions category. Appeals for the Admissions Exception Committee may be obtained online at [www.nsula.edu/admissions](http://www.nsula.edu/admissions).

## **Transfer Admission**

Transfer and re-entry applicants who have attended other colleges and universities must have official copies of all college work submitted to the Office of Admissions before the credential's deadline. Transfer applicants may not disregard previous college work and apply as freshmen. Transcripts should be requested and provided from the Registrar at each institution attended and mailed, delivered in a sealed envelope, or delivered securely through an electronic environment directly to the Office of Admissions. Accreditation status of transfer institutions is confirmed through the American Association of Collegiate Registrars and Admissions Officers (AACRAO) publications, the Transfer Credit Practices of Designated Educational Institutions and the Accredited Institutions of Postsecondary Education. Transfer credits are only accepted from institutions that are accredited by the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Association of Schools and Colleges Commission on Institutions of Higher Education (NEASC- CIHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and the Western Association of Schools and Colleges (WASC).

Students enrolling in a summer term for the specific purpose of satisfying the developmental course requirement may be considered for admission for the following fall semester as a freshman and are not required to meet the transfer admission requirements.

Students (in-state and out-of-state) desiring to transfer to Northwestern State University must either have earned a transferable Associate Degree or higher from an accredited institution or meet the following minimum admissions criteria:

- Students must have earned at least 18 hours of College Level Courses (non-developmental).
- 2.00 minimum GPA on College Level Courses (non-developmental).
- Students must be eligible to return to the institution from which they are transferring.

- Students desiring to transfer with the minimum GPA on college level courses, but fewer than the minimum college level hours earned, must also meet the freshman admission criteria in order to be admitted as transfer students.
- Students desiring admission as transfer students must have completed a college-level English (with a grade of "C" or better) and a college-level mathematics course (with a grade of "C" or better) designated to fulfill university core requirements.

Evaluations concerning probation, suspension, grades, grade point average, and hours earned are based on NSU standards regardless of prior determinations at other institutions that the student has attended. A student is not admissible if under scholastic or disciplinary suspension from another college or university. A suspended student will not be considered for admission until the suspension period has been completed. A transfer student who has been suspended from an institution not within the University of Louisiana System may appeal to enroll at NSU during the academic suspension period only if the student has a 2.0 cumulative grade point average. The appeal may be granted or denied. When the academic suspension period is not clearly defined by the suspending institution, it will be determined to be equal to a period comparable to the rules in place at NSU.

No credit will be granted to a student by Northwestern for academic work earned while the applicant was suspended or dismissed from any institution except when an appeal to attend has been approved.

### **Admission Exceptions:**

Students who do not meet the admission requirements may be admitted under the transfer admission exceptions category. Appeals for the Admissions Exception Committee may be obtained online at [www.nsula.edu/admissions](http://www.nsula.edu/admissions).

## **International Students**

Freshman international students must have completed a recognized secondary program comparable to U.S. high school graduation and have academic records comparable to those required to meet the freshman admission criteria. Admission decisions for freshman international students must be made in accordance with recommendations in nationally recognized publications.

- Students should have at least completed a program of study that would recommend them for admission to a university in their country.
- Transfer international students must have completed a recognized secondary program and meet transfer admission criteria. Must complete a college level mathematics course (with a grade of "C" or better) designated to fulfill university core requirements and cannot require developmental English.

International students from non-English speaking countries or from non-English curriculum schools must demonstrate college level English proficiency by submitting one of the minimum required English Test scores. NSU accepts the following:

- TOEFL (Test of English as a Foreign Language) paper-based, 550 score.
- TOEFL (Test of English as a Foreign Language) internet-based: For tests taken before January 20, 2026, a minimum score of 79 is required; for tests taken effective January 21, 2026, the minimum score is 4.5.
- IELTS (International English Language Testing System), 6.5 score.
- Duolingo English Test, 100 score.
- ACT English of 18 score.
- SAT ERW of 500 score.

- ACCUPLACER NG Writing of 250 score.

International students who do not meet the required admission requirements may be admitted under the respective admission exceptions category.

The following should be submitted: (item 6 must be certified by a professional educational credentials evaluation service based in the United States).

1. A completed Application for Admission.
2. A \$20 non-refundable application fee.
3. A completed Educational Experience List.
4. An official Financial Statement Certification verifying bank funds available in U.S. dollars to cover the educational and living expenses.
5. A completed Health Form and Immunization Record.
6. A professional evaluation of the applicant's foreign education credentials by an approved U.S. evaluation service (grade point average must be included).
7. ACT or SAT scores or ACCUPLACER (undergraduate applicants) submitted from ACT/SAT or approved testing center.
8. GRE scores for graduate admission submitted by ETS, when required by program.
9. Official test scores to demonstrate college-level English proficiency. The following minimum test scores are accepted: TOEFL (Test of English as a Foreign Language) paper-based, 550; TOEFL internet-based: For tests taken before January 20, 2026, a minimum score of 79 is required; for tests taken effective January 21, 2026, the minimum scores is 4.5; IELTS (International English Language Testing System), 6.5; Duolingo English Test, 100; ACT English, 18; SAT ERW, 500; and ACCUPLACER NG Writing, 250.

Applications for Admission and credentials are required at least two months prior to the beginning of the semester for which admission is being sought. Because of the time required to obtain a student visa after admission is granted, applying early is recommended. Graduation from a foreign secondary school does not guarantee admission to NSU.

International students are assessed a \$60 international student fee per semester in addition to their tuition and fees.

On-line only international students must take courses from outside the United States (international students seeking to take courses from within the U.S., must have a valid student visa and I-20 or DS-2019). The following are required for on-line only international students:

1. Application for Admission.
2. A \$20 non-refundable application fee.
3. A professional evaluation of the applicant's foreign educational credentials by an approved evaluation service (grade point average should be included).
4. Official ACT or SAT scores from ACT/SAT for undergraduates. Official GRE scores from ETS for graduate students when required by program.
5. Applicants for whom English is a second language must submit proof of English Proficiency.

Address all correspondence to the International Student Resource Center and Study Abroad, Northwestern State University, 306 Sam Sibley Drive, Suite 249, Natchitoches, LA 71497, Telephone (318) 357-5939. E-mail: [international@nsula.edu](mailto:international@nsula.edu). International admission forms and criteria are available online at [www.nsula.edu/international](http://www.nsula.edu/international).

### Non-Traditional Students

Adults aged 25 and over who are defined as:

- Entering freshmen must have a high school diploma or GED and cannot need more than one developmental course to be admissible to NSU.
- Entering transfer students are required to meet the minimum admission criteria for transfer students. Such students who do not may be admitted under the transfer admission exceptions category.

Adults aged 25 and over must submit an official final high school transcript (or high school diploma), or equivalent, and official ACT, SAT, or Compass scores.

### Categories of Admission that Fall Outside the Minimum Admission Criteria Requirements

- Students defined as re-entry.
- Students defined as Senior Citizens (as defined by the state of Louisiana).
- Students defined as non-matriculating.
- Non-degree seeking students in special programs which include, but are not limited to:
- Dual or concurrent enrollment programs for high school students.
- Programs for visiting students from other institutions who desire to enroll for a limited time period and pursue course work for the purpose of transferring the course work back to their home institution from which they intend to earn their degree.
- Inter-agency or inter-institutional programs such as Academic Programs Abroad, Service members Opportunity College, etc.

# FINANCIAL AID

Financial aid is available to help students who, without financial assistance, would be unable to attend NSU. The amounts and terms of financial aid and the regulations and policies under which it is administered are subject to change without notice.

At Northwestern, student financial aid is administered by the Student Financial Aid Office, 2<sup>nd</sup> floor of the Student Services Center, Natchitoches, LA 71497-0002. Telephone: (318) 357-5961 or 1-800-823-3008. Email: [nsufinaid@nsula.edu](mailto:nsufinaid@nsula.edu). Interested persons are welcome to write, call, visit the Office at any time, or visit the webpage at [www.nsula.edu/financialaid](http://www.nsula.edu/financialaid). Office hours are from 8:00 a.m. to 4:30 p.m., Monday through Thursday, and 8:00 a.m. to 12:00 noon on Friday, except holidays. Please review our website for our full Policy and Procedures.

## **The different categories of financial aid are:**

1. Grants: gift aid awarded to students who demonstrate exceptional financial need; do not require repayment.
2. Loans: borrowed money which must be repaid, with interest.
3. Employment: money earned by working.
4. Scholarships: awards to students with good academic records; do not require repayment.

## **NSU participates in the following federally regulated student aid programs:**

1. Federal Pell Grant
2. Federal Supplemental Educational Opportunity Grant (SEOG)
3. Federal College Work-Study (FCWS)
4. William D. Ford Direct Loan Program
  - A. Federal Direct Student Loan Program
    1. Federal Subsidized Direct Loan
    2. Federal Un-Subsidized Direct Loan
  - B. Federal Parent Plus Loan
5. Federal Teach Grant

## **Eligibility for Financial Aid**

Eligibility for most forms of financial aid requires demonstrated financial need. Need is defined as the difference between the student's educational expenses and the amount that can be provided by the student and his or her family. Other general requirements for eligibility are:

1. Be a citizen of the U.S. or a national or permanent resident.
2. Be in good academic standing and making significant progress toward a degree.
3. Be pursuing credit hours in an eligible program for the Pell Grant, six hours for undergraduate students, five hours for graduate students for the student loan programs and all other types of assistance.
4. Not owe a refund on a Federal grant or be in default on a Federal Educational Loan.

## **Financial Aid Programs**

Pell Grants provide amounts which vary according to financial need and resources available. Eligibility may be determined by filling out a FAFSA online at [www.studentaid.gov](http://www.studentaid.gov). (Pell Grants are not available to a person with a bachelor's degree.)

College Work-Study provides part-time jobs for students who qualify and request positions. Work-study positions are awarded based on eligibility and availability of funds.

Supplemental Educational Opportunity Grants are available to undergraduate students and are based on exceptional need as determined by the FAFSA Submission Survey. The amount of an award depends on need, the availability of SEOG funds at NSU, and the amount of other aid received by the student.

Direct Student Loans are fixed interest loans with a maximum interest ceiling set by law. Direct Student loans can have interest that is subsidized or unsubsidized determined by the federal government. Dependent undergraduates may borrow up to \$5,500 per year for freshman, \$6,500 per year for sophomores, and \$7,500 per year for juniors and seniors. Independent undergraduates may borrow up to \$9,500 per year for freshman, \$10,500 per year for sophomores, and \$12,500 per year for juniors and seniors. Graduates may borrow up to \$20,500 per year. Students pursuing a Teacher Certification may borrow up to senior undergraduate loan amounts. Students who are in an associate degree program may borrow only up to second year loan amounts. Eligibility for the subsidized Direct Loan is based on need. Eligibility for the unsubsidized Direct Loan is not based on need. The student must make satisfactory progress, as defined by the Financial Aid Office in accordance with federal guidelines, to continue to receive Title IV assistance. A student must file a Federal Application for Student Aid to show eligibility for all federal student aid programs. All federal direct loans also require at least half time enrollment.

Federal Parent Plus Loans are federally regulated loans for parents and students who need additional funds to pay college expenses. Parents may borrow up to their students cost attendance after other aid has been deducted. Parent Plus Loans must be paid monthly unless alternative payment arrangements are made with direct lending.

## **Requirements for the Continuation of Financial Aid**

Students granted financial aid must make satisfactory academic progress in accordance with published standards. Northwestern Satisfactory Academic Progress Standards are available on-line at [www.nsula.edu/financialaid](http://www.nsula.edu/financialaid). Any student who fails to satisfy the published requirements will not be eligible for financial aid.

## **Satisfactory Academic Progress (SAP)**

The federal government mandates that students must maintain satisfactory academic progress toward completion of their degrees within a reasonable period of time in order to be eligible for Title IV financial aid programs (includes grants, work-study, Direct, and PLUS loans).

### **Satisfactory academic progress is defined as:**

- passing a required number of hours (67% of all hours attempted) and
- achieving a required grade point average (2.0 cumulative for undergraduate students and 3.0 cumulative for graduate students) and
- not being over attempted hours (150% of the published length of the students' degree program).

All students' academic progress will be reviewed at the end of each semester. At the end of each semester students will fall into one of the following categories:

- **Good Standing:** Student has met progress standards and is eligible for aid for the following semester.

- **Warning:** Student has not met progress standards. However, the student is still eligible for financial aid but must have made progress by the end of the warning semester.
- **Failed Standards:** Student has not made progress after warning period. Student is no longer eligible for Financial Aid. Please see re-establishing eligibility below.
- **Probation:** Student has not met progress standards, but has an approved appeal and is eligible for financial aid for one semester.

### Transfer Students

Transfer students are required to meet the minimum academic standards set by NSU in order to receive Federal Financial Aid at Northwestern State University. A transfer student must supply the NSU Admissions Office with an official transcript from all previous institutions of attendance.

### Re-establishing Financial Aid Eligibility

Students who do not meet SAP Standards have two options to receive Financial Aid in future semesters: attend and regain without the benefit of financial aid or appeal.

You must enroll and be attending to re-establish your financial aid eligibility. Should you choose to “sit out” a semester, you are still subject to meeting the conditions listed below for the semester in which you re-enroll.

**Attend and regain without the benefit of Financial Aid:** Students may attend at their own expense without the benefit of financial aid, attempt and earn a cumulative 67% of hours attempted and a 2.0 cumulative grade point average for undergraduates or 3.0 for graduates.

**Note:** *students who are over their attempted hours cannot regain their eligibility.*

#### Appeal:

Students may appeal to the Student Financial Aid Appeals Committee. The student must be able to meet the progress requirements by the end of that semester in which the student is appealing. Satisfactory Academic Requirements are earning a 2.0 cumulative GPA for undergraduates, 3.0 cumulative GPA for graduates, pass 67% percent of cumulative course attempted, and not exceed 150% of degree program.

### Student Financial Aid Appeal

Students who do not meet Satisfactory Academic Progress (SAP) standards may have the right to appeal to the Student Financial Aid Appeals Committee. These appeals are generally based on extenuating circumstances.

Examples of extenuating circumstances may be defined as, prolonged illness, accidents that require hospitalization to the student or a close family member, death of an immediate family member, or other types of accidents or incidents.

All appeals should have documentation that corresponds with the type of appeal the student is filing.

Appeals that are remitted after the priority deadline will not receive priority consideration, and the student should also make payment arrangements with the Cashier's Office for payment of fees incurred from the registration process.

Students may appeal to the Student Financial Aid Appeals Committee. The student must be able to meet the progress requirements (2.0 cumulative GPA for undergraduates, 3.0 cumulative GPA for graduates, pass 67% percent of cumulative course attempted, and not exceed 150% of degree program) by the end of that semester in which the student is appealing. If the student cannot meet the progress requirements within one

semester they may still appeal but will be reviewed for an Academic Plan. Students must complete a financial aid appeal form that includes all of the following:

1. Why did the student fail to make satisfactory academic progress,
2. What types of extenuating circumstances existed and documentation of the situation,
3. What has changed in the student's situation that will allow the student to demonstrate progress at the next evaluation.

If the appeal is approved, the student would be eligible for aid during the next semester. The student's academic progress will be checked again at the end of the semester.

***There is no limit to the number of appeals a student submits during their academic career.*** **NOTE:** If an appeal for a given semester is denied, the student can submit an additional appeal for that semester - only if the student can submit new and updated information/documentation to go along with the appeal.

If an appeal for Financial Aid is approved by the Financial Aid Appeals Committee, the student regains eligibility for Financial Aid for that semester. The student must maintain academic progress that semester to continue their financial aid eligibility. If an appeal is denied by the Financial Aid Appeals Committee, the student must enroll, attempt and earn a cumulative 67% of hours attempted and a 2.0 cumulative grade point average for undergraduates or 3.0 for graduates.

If an appeal for an Academic Plan is approved the student will meet with the Academic Success Center and develop a plan to help the student meet the minimum academic progress standards. Students must sign a contract with the Academic Success Center once the plan has been developed. The student will continue on the academic plan each semester as long as the student meets the minimum criteria set in the plan. The students' progress will be checked at the end of each semester. If the student fails to meet the criteria listed in the plan the student will lose financial aid eligibility and be required to regain eligibility on their own - must attempt and earn a cumulative 67% of hours attempted and a 2.0 cumulative grade point average for undergraduates or 3.0 for graduates at the student's own expense and not exceed 150% of the students degree program. Student may re-apply for an Academic Plan if there were extenuating circumstances that kept the student from making the required progress.

**Financial aid appeals do not apply to academic appeals and are in no way related.**

The committee will review the following when making a decision:

- Why the student did not make progress (grades or hours).
- Supporting documentation, the student has, attached to the appeal. They also look at the relevance of the documentation.
- Number of times a student has appealed.
- Attempted hours, earned hours, and GPA.
- Copies of transcripts from other universities if a transfer student.
- Student's statement should explain why the student did not make progress.
- Student's statement should also include what changes have been made and why the student will be able to currently make progress.

### Financial Aid Payments

Financial aid funds are paid to students in the form of credits to the students' account after registration/fee payment fall, spring, and summer. Recipients of work-study awards receive no funds at registration. Payments are made at the end of each pay period for hours worked during the pay period.

## How to Apply for Financial Aid

1. Apply for admission to NSU.
2. Apply for eligibility for all federal programs by completing the Free Application for Federal Student Aid.
3. Within four to six days, applicants will be emailed a FAFSA Submission Survey. This report should be checked for accuracy and corrected if necessary. Upon receipt of your federal information, the applicant will then be sent information on how to complete a NSU Title IV Authorization form. The student may also be sent notice of additional paperwork that needs to be completed if he/she is selected for verification by the Department of Education, as additional information is required for processing.
4. Transfer students must submit an official academic transcript from each institution they have attended to the admissions office.

## Where to Apply

The Free Application for Federal Student Aid may be accessed on-line at <http://www.studentaid.gov>, or [www.nsula.edu/financialaid](http://www.nsula.edu/financialaid).

## How to Receive Financial Aid

All students who complete the FAFSA, must complete the Title IV Authorization form and Terms and Conditions. The Title IV Authorization and the Terms and Conditions must be completed on VIC.

## When to Apply

All required forms related to financial aid applications should be on file in the NSU Office of Financial Aid by May 1st for Fall semesters, November 1st for Spring semesters, and April 1st for Summer sessions. The required forms could include the FAFSA Submission Survey, NSU Title IV form, and all other requested information. All transfer students must also submit official academic transcript from previously attended schools to the admissions office.

## Selection of Recipients

The Office of Student Financial Aid determines need on the basis of data received on the FAFSA Submission Survey. Each student will be notified with a NSU Financial Aid Award Notification. This notification, sent by email, will give the student the link to check his/her online account information.

## Scholarships

Scholarships are financial awards given to degree-seeking students who are enrolled or who intend to enroll at Northwestern State University. Scholarships are placed in two categories: academic/leadership scholarships and performance scholarships.

Academic/leadership scholarships are based on a combination of standardized test scores (ACT or SAT), high school grade point average, rank in class, and participation in extracurricular activities. To be considered for these scholarships a student must apply for admissions, furnish standardized test scores and a six-semester high school transcript for out-of-state students. The priority consideration

dates for academic/leadership scholarships are December 1 and March 1 for the following academic year.

Performance scholarships are based on talent, performance, or service criteria (e.g., members of the Spirit of Northwestern Marching Band, Demon Dazzlers, Pom-Pom, Yell Leaders, Music, Theatre, KNWD, Current Sauce, Argus, Potpourri, Student Government Association, University Programming Council, Shreveport Student Government Association, Freshman Connection and ROTC). Please contact the corresponding department for more information.

To maintain eligibility for a university scholarship, the student must meet the criteria as stated in the award letter: maintain full-time enrollment status during the fall and spring semesters of the scholarship award period at Northwestern State University, maintain the required semester grade point average, and be in good academic standing with the University. Information on athletic scholarships can be obtained by contacting the appropriate member of Northwestern's coaching staff. All athletic scholarships are governed by the NCAA rules and regulations.

## Scholarship Cancellation:

There is no automatic probation period for any student on scholarship. Academic/leadership and performance scholarships will be cancelled automatically if the following occurs:

1. The student does not make the required grade point average, or
2. The student does not maintain full-time enrollment at Northwestern State University throughout the semester.

## Scholarship Appeals:

Students who have had a scholarship cancelled and choose to appeal their scholarship, may obtain a University Scholarship Appeal Form on-line at [www.nsula.edu/financialaid](http://www.nsula.edu/financialaid). Students must complete and return this form by the posted deadline following a fall or spring semester cancellation.

## Return of Title IV Funds

A student who withdraws or otherwise terminates his or her enrollment during the first 60% of the semester or session and receives financial assistance from Title IV programs (Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Federal Perkins Loan, Federal Direct Loan, and Federal PLUS Loan) earns Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the period that the student remained enrolled is the percentage of disburseable aid for the semester/session that the student earned. The percentage of the period that the student remained enrolled is derived by dividing the number of days the student attended by the number of days in the semester/session. Calendar days are used but breaks of at least five concurrent days are excluded from the calculation. The Title IV program reimbursement monies will be withheld from any institutional refunds (tuition, room, board, fees, and etc.) due the student. If these monies are not sufficient to cover the reimbursement required, the student will be billed for the remaining amount.

Students who do not officially resign from the University and receive financial assistance will receive an Unofficial Resignation and aid will be adjusted based on the last date of attendance. These students' last day of attendance will be verified for all classes of enrollment through the instructor.

# ACADEMIC INFORMATION

## The University Core

Northwestern has a broadly based core curriculum that is central to the University's mission and consistent with the Louisiana Board of Regents' requirements for general education survey courses applicable to all students regardless of their major. The core encompasses the knowledge and abilities that Northwestern believes are essential to college graduates. Its requirements are designed to improve students' writing and speaking, to expand students' aptitude in mathematics and its applications, to strengthen students' understanding of biological, physical, social, and behavioral sciences, and to develop an appreciation and knowledge of the arts and humanities.

The goal of the core curriculum is for undergraduate students, depending on their respective degree program, to obtain appropriate learning outcomes for the following general education competencies:

- To demonstrate writing as a purpose-driven process of communication within specific contexts.
- To apply mathematical and analytical reasoning skills.
- To understand the universe through the study of life and physical science.
- To understand the diversity of human knowledge and experience across cultures as examined through the humanities.
- To demonstrate an understanding of human behavior and the relationship between individuals and their societies.
- To explore purposes and processes in the visual and performing arts and the ways in which fine arts conceive and express the human experience.

To accomplish this goal, students at Northwestern State University are required to take courses as defined below for baccalaureate and associate degrees. Together, these courses provide the breadth of their educational programs while the major requirements listed in subsequent sections of this catalog provide the depth of education.

## Baccalaureate Degrees

The University core requires that each baccalaureate curriculum includes the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (6 hours):** (taken in pairs indicated and in sequence): Mathematics 1020 and 1060; 1020 and 1090; 1020 and 2010; 1035 and 1060; 1100 (6 hours); 1820 and 1830 (6 hours); or 2100 and 2110 (10 hours).
3. **Natural Sciences (9 hours):**
  - **Physical:** 3 or 6 hours selected from Chemistry 1030, 1040, 1070; Physics 2030; or Science 1010, 2010.
  - **Biological:** 3 or 6 hours selected from Biology 1010, 2250, 2260; or Science 1020, 2020.
4. **Humanities (9 hours\*):**
  - **Literature:** 3 hours selected from English 2070 or 2110.
  - **History:** 3 hours selected from History 1010, 1020, 2010, or 2020.
  - **Communication:** 3 hours selected from Communication 1010, 2500; or Philosophy 1010.
5. **Social/Behavioral Sciences (6 hours):**
  - **Social Science:** 3 hours selected from Anthropology 1510, 2020; Economics 2000; Geography 1010, 1020; or Political Science 2010.
  - **Behavioral Science:** 3 hours selected from Educational Psychology 2020; Psychology 1010, 2050; and Sociology 1010.
6. **Fine Arts (3 hours):** Fine Arts 1040.

\*The Bachelor of Applied Science in Allied Health requires completion of only 3 hours of humanities.

## Associate (non-designated) Degrees

The University core requires that Associate (non-designated) degrees include the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (3 hours):** Mathematics 1020 or 1035.
3. **Natural Sciences (6 hours):** In any combination of physical or biological science selected from Biology 1010, 1020, 2060, 2250, 2260; Chemistry 1030, 1040, 1070; Physics 2030; Science 1010, 2010; or Science 1020, 2020.
4. **Humanities (3 hours):** Selected from Communication 1010, 2500; English 2110; History 1010, 1020, 2010, 2020; and Philosophy 1010.
5. **Social/Behavioral Sciences (6 hours):**
  - **Social Science:** 3 hours selected from Anthropology 1510; Economics 2000; Geography 1010; or Political Science 2010.
  - **Behavioral Science:** 3 hours selected from Educational Psychology 2020; Psychology 1010, 2050; and Sociology 1010.
6. **Fine Arts (3 hours):** Fine Arts 1040.

## Associate of Science Degrees

The University core requires that Associate of Science degrees include the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (6 hours):** Complete 6 hours of mathematics selected from the following paired courses Mathematics 1020 and 1060; 1020 and 1090; 1020 and 2010; 1035 and 1060; 1100 (6 hours); 1820 and 1830; or 2100 and 2100 (10 hours).
3. **Natural Sciences (6 hours):**
  - **Physical:** 3 hours selected from Chemistry 1030, 1040, 1070; Physics 2030; Science 1010, 2010.
  - **Biological:** 3 hours selected from Biology 1010, 2060, 2250, 2260; or Science 1020, 2020.
4. **Humanities (3 hours):** Selected from Communication 1010, 2500; English 2070, 2110; History 1010, 1020, 2010, 2020; and Philosophy 1010.
5. **Social/Behavioral Sciences (3 hours):** selected from Anthropology 1510, 2020; Economics 2000; Political Science 2010; Geography 1010, 1020; Educational Psychology 2020; Psychology 1010, 2050; and Sociology 1010.
6. **Fine Arts (3 hours):** Fine Arts 1040.

## Academic Assessment

To ensure quality in its academic program offerings and to comply with requirements of the Louisiana Board of Regents, the Commission on Colleges of the Southern Association of Colleges and Schools, and various national accrediting associations, Northwestern administers a comprehensive program of academic assessment. This includes the administration of student learning outcomes to assess the effectiveness of general education and major fields of study in each academic degree and certificate program. Students are required to participate in academic assessment activities.

Student Learning Outcomes are statements that specify what each student will know, be able to do, or be able to demonstrate when they have completed or participated in a degree program, course, project or activity. Northwestern's annual assessment process is focused on assessing the extent to which students achieve these outcomes, and through the analysis of the results, effect change to make improvements in student learning or program development. As part of the Northwestern's Institutional Effectiveness (IE) Model there is a series of ongoing and systematic institutional procedures and integrated practices reflected in the strategic, operational, and tactical decisions made by the President and his senior leaders, the college deans and unit directors, and degree program coordinators and faculty in the classroom. The Model encompasses strategic and operational planning, the allocation of resources, and the evaluation of student achievement, programs and services, and administrative and experiential learning activities. It includes the identification and measurement of outcomes across all objectives, including strategic focus areas, student learning and service outcomes, and the analysis of data and assessment results to inform decision making. These coordinated activities are intended to support and enhance the Mission, Vision, and Core Values of Northwestern State University by improving programs and services and increasing student success and institutional quality. Visit the NSU Institutional Effectiveness website and see *Assessment Cycle Reports* to review degree program assessment of student learning outcomes.

### Assessment of Major Fields of Study

Each student completing a baccalaureate degree program at Northwestern takes an appropriate senior examination that assesses how well the program meets its objectives. Most examinations for major field assessment are normed on a large population of students completing degrees in that field.

### Registration in a Degree Program

Each student entering NSU must register in a curriculum, and in order to graduate must complete satisfactorily the work required as described in the catalog in effect at the time of registration in that curriculum or the one in effect at the time degree requirements are completed.

A student who does not attend NSU for three consecutive (including summer) semesters or longer and who then returns to the University must complete the course work prescribed in the catalog which is in effect at the time of the return.

A student who transfers to another curriculum at NSU must complete the course work prescribed in the catalog in effect at the time the transfer is made.

After registering in a curriculum, a student is expected to complete the work required in that curriculum within seven years. A student who misses three consecutive semesters must enter under the catalog in effect at the time of their re-entry. Exceptions to this requirement may result from actions taken by authorities higher than the University, in certain cases involving teacher certification, and in special circumstances where the curriculum has substantially changed, and the change is approved by academic dean of said program.

### Requirements for Majors

A major is that part of a degree program which consists of a specified group of courses in a particular discipline(s) or field(s). The name of the major is usually consistent with the

degree subject area. A major usually consists of 25 percent or more of total hours required in an undergraduate curriculum.

### Requirements for Concentrations

A concentration is an alternative track of courses within a major, accounting for at least 30 percent of the major requirements. Concentrations can only be earned within each specified major.

### Requirements for Minors

A minor is that part of a degree program which consists of a specified group of courses in a particular discipline(s) or field(s), consisting usually of 15 percent or more of the total hours required in an undergraduate curriculum. Students may not earn a minor with an Associate Degree or without simultaneously earning a baccalaureate degree.

### Provisional Admission for Undergraduate Students to take Graduate Courses

Graduating seniors who have a minimum cumulative undergraduate grade point average of 3.2 on all undergraduate work attempted may be allowed to register for graduate credit if they meet the following criteria:

1. Their admission into the program is approved by their academic dean and the Dean of the Graduate School.
2. The students lack no more than 30 semester hours to complete baccalaureate degree requirements.
3. The students may earn no more than 12 graduate credit hours while completing baccalaureate requirements.
4. Courses taken for graduate credit cannot be used to satisfy undergraduate requirements. The only exception to this rule is when a student enrolls in a combined curriculum program in which graduate credit courses are approved to fulfill undergraduate degree requirements.
5. Such students retain their undergraduate status until they are awarded the baccalaureate degree.
6. While in the concurrent program, students shall maintain a minimum cumulative graduate grade point average of 3.0.
7. The student must complete a permit form to receive PRIOR approval from the Dean of the Graduate School. The permit form may be obtained in the University Registrar's Office or the Graduate School Office.
8. A recipient of a baccalaureate degree who continues enrollment to pursue a second baccalaureate degree cannot apply for graduate studies until the completion of the second baccalaureate degree.

### Requirements For Graduation

#### Student Responsibility

Students are personally responsible for completing all requirements established for their degree by the University. It is the student's responsibility to be informed of these requirements. A student's advisor may not assume these responsibilities and may not substitute, waive, or exempt the student from any established requirement or academic standard. Changes in academic regulations enacted between catalog publications are published in the University newspaper and posted on bulletin boards. Students are responsible for knowing these changes.

It is the student's responsibility to make official application for graduation. Students must apply online for graduation by accessing VIC at <https://vic.nsula.edu> according to the following published graduation deadlines:

Final Day to apply for Summer Graduation – July 1  
Final Day to apply for Fall Graduation – October 1  
Final Day to apply for Spring Graduation – March 1

### Requirements for the Baccalaureate Degree

1. Complete a minimum of 120 semester hours of academic work, exclusive of physical activity, extra-curricular activity credits, and remedial credits.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Earn at least 12 semester hours in the major field in upper-level courses (numbered 3000 and above) taken at NSU.
4. Earn at least a C (2.0) graduation grade point average on all hours pursued toward a degree including the major, concentration, and minor fields, if a concentration or minor is required.
5. Earn at least a C (2.0) NSU degree program grade point average in all courses taken at NSU which are used to satisfy degree requirements.
6. Complete an approved curriculum. This catalog prescribes in detail the requirements for graduation in all curricula offered by the University.
7. Complete the University general education (core) requirements for the baccalaureate degree.
8. Diplomas list the Board of Regents approved Degree Designation and the Degree Subject area (Major).
9. Participate in commencement exercises unless excused by the University Registrar.

### Requirements for a Double Major

A student may choose to earn two majors (or a major and a minor) under a single baccalaureate degree, and they must be declared and earned simultaneously. When pursuing a double major, a student must designate a primary major for the award of his/her diploma. All requirements for the baccalaureate degree with the primary major must be completed plus all major requirements for the second major. The secondary major, or minor, will be indicated on the official transcript. Students may not earn a minor with an Associate Degree or without simultaneously earning a baccalaureate degree.

### Requirements for a Second Baccalaureate Degree

A student may earn two baccalaureate degrees simultaneously by completing all requirements for both degrees, plus 30 additional hours (excluding remedial). The student will be awarded two diplomas and both degrees will be posted on the official transcript.

A student may also earn a second baccalaureate degree after graduating from Northwestern or another recognized accredited institution. To receive the second degree, the student must complete all requirements for the second degree and earn 30 additional hours beyond the hours earned for the first degree.

### Requirements for the Associate Degree

1. Complete a minimum of 60 semester hours of academic work, exclusive of physical activity, extra-curricular activity credits, and remedial credits.
2. Earn at least a C (2.0) graduation grade point average in all courses used to satisfy degree requirements.
3. Earn at least a C (2.0) NSU grade point average in all courses taken at NSU which are used to satisfy degree requirements.
4. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.

5. Complete the Louisiana Board of Regents general education requirements for an associate degree program.
6. Complete an approved program. This catalog prescribes in detail the requirements for graduation in all curricula offered by the University.
7. Participate in commencement exercises unless excused by the University Registrar.

### Requirements for Graduate Degrees

The requirements for the various graduate degrees are outlined in the sections describing the departmental curricula. General requirements are given in the Graduate School section.

### Completing a Baccalaureate and Master's Degree Simultaneously

Northwestern State University will only confer a master's and baccalaureate degree simultaneously (during the same semester) on completion of an accelerated Bachelor/Master's program.

Students pursuing a master's degree may, however, simultaneously take coursework toward an undergraduate degree.

### Registration for Graduation Only

A student may register "for graduation only" if all requirements for the degree(s) sought have been met. All course work pursued must be completed, and all grades must be submitted to the University Registrar before registration "for graduation only" will be considered.

Registration "for graduation only" will not be processed by the University Registrar until the academic dean has reviewed the request and has certified that the conditions stated above have been met.

Registration for graduation only must be accomplished prior to the last day to add courses. This date is determined by the University Registrar.

### Degree Conferral and Commencement

Degrees are conferred three times a year – following the fall, spring, and summer semesters. Commencement ceremonies are held at the end of the fall and spring semesters. Students who complete degree requirements in a summer semester are included in the fall commencement program and are invited to attend the fall ceremony. All candidates for degrees are highly encouraged to celebrate their academic success by participating in the commencement ceremony.

Candidates for graduation will receive instructions concerning commencement ceremonies from the Office of the University Registrar.

Upon degree conferral, the academic record is finalized, and no further changes may be made. Program changes such as the addition or deletion of a major, minor or concentration, grade changes or other academic changes to the record will not be considered.

The appearance of a name in the commencement program is presumptive evidence of graduation, but it is not regarded as conclusive. It is impossible to have an official commencement program since the program must be finalized before candidates' applications for a degree can be officially verified. Therefore, a name listed in the commencement program and the participation in the commencement ceremony do not guarantee the awarding of a degree. The official Northwestern State University transcript, sealed and signed by the University Registrar, is documented evidence of the student's permanent academic record and the student's possession of degree(s) awarded by the university.

Diplomas will be issued to students who have met all degree requirements following official verification.



## Matriculation

### Faculty Advisors

All students are advised by academic advisors. Academic advising is regarded by the University as an extension of the teaching function and, therefore, as an important responsibility of the faculty. Faculty are usually assigned to advise students who have indicated an interest in their particular field of specialization. The names of assigned faculty advisors may be obtained by accessing VIC at <https://vic.nsula.edu> or from the appropriate academic department office.

Faculty advisors are available to students throughout the academic year, but their role is especially important during the registration period. The advisor will explain University academic requirements and assist the student in planning a program which satisfies these requirements. The advisor will also explore career alternatives and aid in any academic or personal problems. The student should be aware, however, that knowledge of and adherence to regulations of the University, both academic and otherwise, are the ultimate responsibility of the student.

### Alternate PINs

The alternate PIN is an extra layer of security which allows the student to access the registration and drop/add services on the web. Alternate PINs change every term and can only be obtained from a student's academic advisor or department.

The following groups of students **MUST** meet with their academic advisor (in person, via telephone or via email) to obtain an alternate PIN before they will be permitted to register for classes for the next semester:

- All undergraduate students with less than 30 earned hours and currently registered hours.
- All undergraduate students with 30 or more earned hours or currently registered hours and less than a 2.25 cumulative GPA.
- All Louisiana Scholars' College students.
- All student athletes.
- Social Work (274) majors with fewer than 60 hours.
- Accounting (101), Biology (618), Computer Information Systems (102), Criminal Justice (250), Hospitality Management and Tourism (135), Physical Science (637), and Veterinary Technology (725) majors.

Refer to the University Registrar's web page at <https://www.nsula.edu/registrar/> for the complete registration schedule and more detailed registration information.

### Registration

Students begin the registration process by meeting with their faculty advisor to develop a schedule of classes. To complete the registration, the student should follow the procedure published each term in the Registration Information, available by accessing the University Registrar's Office web page at [www.nsula.edu/registrar](http://www.nsula.edu/registrar).

## Undergraduate Course Load/Maximum and Minimum Hours of Enrollment

### REGULAR SEMESTER

The maximum amount of course work for which an undergraduate student may register in a regular semester is 21 semester hours. The minimum load for a full-time student in a regular semester is 12 semester hours unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester. Any exception to these maximum and minimum load limits requires the prior approval of the academic dean.

### SUMMER SEMESTER

The maximum amount of course work for which an undergraduate student may register in a summer session is 12 (twelve) semester hours. An undergraduate student is considered full-time when enrolling in at least 6 (six) hours of credit for the summer. Any exception to the maximum load limits requires prior approval of the student's academic dean.

1. An undergraduate student may take 6 hours in the 1st 4-week, and 6 hours in the 2nd 4-week for a total of 12 hours.
2. An undergraduate student may take up to 12 hours in the 8-week session.
3. An undergraduate student may take 12 hours in the 11-week session.

## Graduate Course Load/Maximum and Minimum Hours of Enrollment

During a regular 16-week semester, the full-time course load for a graduate student is 9 hours; the maximum number of hours allowed is 12 hours. Any additional hours require approval from the major professor/advisor and the Dean of the Graduate School. During an 8- or 11-week summer session, the full-time course load for a graduate student is 6 hours; the maximum number of hours allowed is 9 hours. Any additional hours require approval from the major professor/advisor and the Dean of the Graduate School.

### Late Registration

Students who have not registered for any classes prior to the first day of class will be assessed a \$60.00 NON-REFUNDABLE late registration fee. Students who have registered for at least one class prior to the first day of classes will not be assessed the late registration fee for dropping and/or adding classes during the first seven days of classes. No student is permitted to register after the established period for late registration.

### Previous Balance Policy

#### Registrations Cancellation for a Previous Balance of more than \$1,000

A student who has registered and owes a financial balance of **more than \$1,000** from a previous semester must pay the previous balance to \$1,000 or less in order to attend classes. If a student has a financial balance of more than \$1,000 that is not paid to \$1,000 or less-registration will be cancelled prior to the first day of classes, unless an exception has been approved.

#### Registration Cancellation or Registration with a Previous Balance of more than \$1,000 Exceptions

A student who has registered or who wants to register but owes a financial balance of more than \$1,000 from a previous semester and who, meets one of the exception criteria, may complete the Registration Exception Application to avoid registration cancellation or to register owing a previous balance of more than \$1,000. Additionally, installment plan charges, late registration, and late payment charges will all be assessed, and collection agency reporting will be completed, all in accordance with University Policy.

### Very Important

Financial Aid cannot be used to pay a balance from a previous award year. Students with financial aid greater than current award year charges will receive a balance check. These students are encouraged to pay any previous balance upon receipt of any refund as part of their payment plan documented in their exception plan. Failure to do so may result in future exception being denied.

## Exceptions

A student who has registered or who wants to register but owes a financial balance of more than \$1,000 from a previous semester **may qualify for an exception** if:

- Have pending financial aid that will lower previous semester's balance to below \$1,000.
- Balance does not exceed \$1,500 and have paid at least \$300 within the last month of application date.
- Balance does not exceed \$4,000 and actively on payment plan with ECSI. Also qualify for financial aid for the semester I am attempting to register for.
- Am being reimbursed by my employer for my previous balance (please provide documentation)
- MUST have a valid FAFSA on file in order to receive an approved exception, unless you are an international student.
- Balances with the Attorney General's Office must also be paid in full.

Registration Exception Application form is available in the Student Accounting Office, or online at <http://nsula.edu/studentaccounting-cashiering>.

## Registration Exception Committee

1. Students may appeal early registration cancellation for a previous balance, registration with a previous balance, installment plan charges, late registration charges, or late payment charges by completing a Registration Exception Application form. The form is available in the One Card Office, or online at <http://onecard.nsula.edu/>.
2. Students must complete and return the form to the One Card Office, 3<sup>rd</sup> floor, Student Services Center, Northwestern State University, Natchitoches, LA. 71497 or fax to: 318-357-5279 with appropriate supporting documentation attached.
3. Only a completed form with the proper documentation attached will be considered by the Committee. The Committee's decision will be final.

## Supplemental Education

Students are placed in supplemental education courses based on ACT, SAT, or placement examination. Classes include Mathematics 1021 and 1036; and English 1011. Supplemental instruction in English and Mathematics core concepts is provided. Supplemental education courses are developmental in nature and do not fulfill requirements for any degree. Supplemental education courses are used to compute a student's grade point average but are not used in computing eligibility for academic honors.

## University Studies

All freshmen must take University Studies 1000 during their first period of enrollment at NSU. Students may request a course substitution by contacting their academic advisor if they transferred in 30 credit hours or more. This course is required for graduation in any undergraduate curriculum.

## Freshman English

Freshmen and undergraduate transfer students who have not completed English 1010 and/or 1020 must register immediately for 1010 (or 1020 if they have credit for 1010) and continue to enroll until they successfully complete the Freshman English sequence. English 1010 is a prerequisite for 1020; English 1020 is a prerequisite for all higher-level English courses.

## Auditing Courses

A student may audit courses under the following conditions:

1. No credit is earned for any course audited.
2. An auditor may be excluded from a course at the discretion of the head of the department offering the course. If space in a class is limited, students taking the course for credit are given preference over auditors, even though the latter may have enrolled first.
3. A special examination for credit may not be taken in any course already audited.
4. Enrollment in any course as an auditor must be accomplished prior to the close of the last day to register for credit. The change from credit to audit status may be made until the end of the drop period.
5. A student who audits a course is subject to attendance regulations. If the auditor accumulates unexcused absences in excess of ten percent of the total classes in the course, the instructor may drop the student.

A person not enrolled for credit in any other course may audit one or more courses each semester subject to both the above conditions for auditing courses and the following additional conditions:

1. Permission to register in courses for audit must be obtained from the head of the department offering the course or the academic dean.
2. All prescribed fees must be paid.
3. Auditors are subject to all University regulations related to discipline and personal conduct.
4. Auditors may use the library and bookstore. Dormitories, meal tickets, and other student privileges may be used with permission of the Dean of Students.
5. Vehicles must be registered with the University Police, and the student parking fee must be paid.

## Classification of Students

Semester hour requirements for the classification of students are as follows:

|           | Class | Semester Hours |
|-----------|-------|----------------|
| Freshman  | 1     | 0-29           |
| Sophomore | 2     | 30-59          |
| Junior    | 3     | 60-89          |
| Senior    | 4     | 90+            |

## Definition of a Full-Time Student

A full-time student is one who is taking at least 12 semester hours of scheduled work in a regular semester, at least six hours of work in a summer session, or at least six hours in an eight-week term. The minimum load for a full-time student in a regular semester is 12 semester hours (six in a summer session) unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester or summer session.

For purposes of determining eligibility for College of Nursing and School of Allied Health scholarships, stipends and special training program assistance, an undergraduate student is considered full-time if enrolled in clinical and didactic courses which require 12 or more hours of student contact each week.

## Definition of a Part-Time Student

A part-time student is one who is taking less than 12 hours of work in a regular semester, or less than six hours in a summer session or eight-week term.

### **Definition of Hours Pursued**

Hours pursued are defined as all courses completed and those courses not completed in which the grade of “W”, “I”, “IP”, “Z”, or “WN” is received on a semester basis.

### **General Studies**

The General Studies curriculum is available for students entering the University who have not selected a major area of study (undecided/exploratory students). Academic Advising Services has a team of professional advisors who assist students by helping them learn more about career options, major/minor possibilities, and other questions related to their curriculum. This office provides advising services for students interested in quality interdisciplinary programs, which represent a broad education with courses selected from among a wide range of disciplines. Often, this broad-based curriculum results in leading students to complete an Associate or Bachelor of General Studies degree. For more information contact Academic Advising Services, telephone: (318) 357-6980 or visit the website <https://www.nsula.edu/academic-advising-services/>.

### **Military Obligations and University Study**

NSU is aware that students who are members of the Armed Forces are subject to calls to duty which may interrupt their studies, and that some students wish to pursue officer-candidacy programs that may conflict with University work. Northwestern State University has a written policy that guides the process for withdrawal of a student activated for military service. Please contact the University Registrar’s Office or go to [www.nsula.edu/registrar](http://www.nsula.edu/registrar) for a copy of this policy.

# ACADEMIC REGULATIONS

## Dropping and Adding Courses

Students may **drop and add** courses on or before the **seventh day of classes** (see University Academic Calendar). When a course is “dropped” it no longer appears on the student’s record, and fees for the class will be refunded or adjusted.

**After the seventh day of classes, and before the “last day to withdraw or resign from the University”** (see the University Academic Calendar), a student can **withdraw** from a course online by accessing VIC at <https://vic.nsula.edu>. Some students are not allowed to withdraw from courses without prior approval (graduating seniors, international students, student-athletes, graduate students). Upon submission of the online request by the deadline posted in the University Academic Calendar, a grade of “W” is assigned to each course. Although “W” grades do not affect the grade-point average, excessive withdrawals reflect negatively on the student’s record, interfere with the student’s progress toward graduation, and may result in the loss of scholarships and other types of financial aid. Students should see the Financial Aid Satisfactory Academic Progress Regulations in the University Catalog to see how withdrawing from courses might affect their eligibility for financial aid.

Therefore, it is recommended that withdrawals be limited as described below:

| <u>Classification</u> | <u>Hours Earned</u> | <u>Maximum Number of Withdrawals</u> |
|-----------------------|---------------------|--------------------------------------|
| Freshman              | 0-29                | 3                                    |
| Sophomore             | 30-59               | 2                                    |
| Junior                | 60-89               | 1                                    |
| Senior                | 90-119              | 1                                    |
| Senior                | 120 or more         | 1                                    |

1. **Students wishing to add or make section changes after the Seventh Day of Classes** due to extenuating circumstances must submit a request to his/her academic dean within three class days after the Seventh Day of Classes.
2. **Students wishing to withdraw from a class after the Seventh Day of Classes** will receive a W grade and will have to pay for the tuition and fees for the class.
3. **Students wishing to resign from all classes after the Seventh Day of Classes** will receive a grade of “W” in all classes and be refunded 50% to 0% of tuition fees according to refund schedule.
4. **Students wishing to withdraw or resign from the University (after the “last day to withdraw or resign”)** due to extenuating circumstances which prevent completion of a semester, may submit a request to his/her academic dean **no later than the last day of classes** to request a retroactive resignation. Examples of cases eligible for retroactive withdrawals or resignations include but are not limited to illness, injury to student, death of an immediate family member, natural disaster or exceptional traumatic event, and military duty. Appropriate documentation supporting the extenuating circumstances must be included.

If the approval to withdraw from a course is granted, the student must also have been passing the course immediately prior to the hardship, and the grade assigned shall be a “W”. If the dean allows the student to resign, a “W” grade shall be assigned in all courses, and notification will be sent to the instructor(s) and the University Registrar.

Retroactive withdrawal after the **last day of classes** is permitted only by approval of a student appeal to the Registration, Credits, and Graduation Council. Information and request forms may be obtained from the University Registrar’s Office or by accessing the University Registrar’s Office Web page at [www.nsula.edu/registrar/](http://www.nsula.edu/registrar/).

## Graduation Grade Point Average

The Board of Supervisors for the University of Louisiana System permits member universities to have a repeat policy that will enhance their students’ abilities to obtain undergraduate degrees by using an adjusted GPA where necessary for graduation, and for “satisfactory progress” of all student-athletes.

The **graduation GPA** is calculated by dividing adjusted quality points by adjusted quality hours. Adjusted quality points are calculated by subtracting quality points received for repeated classes from total quality points. Adjusted quality hours are calculated by subtracting credit hours for “F” grades and repeated classes from total quality hours.

The **graduation GPA** is maintained in the Degree Works Degree Audit system. Graduation GPAs are not maintained in the Banner Student System as part of students’ electronic records and are not reported with grades or on academic transcripts.

## Cumulative Grade Point Average

The **cumulative GPA** is determined by dividing the total quality points earned by the total number of GPA hours. Cumulative GPA is based upon all hours pursued, including repeats, and is used in determining scholastic honors, campus awards, class rank, probation, and suspension academic standing. All hours attempted, regardless of grades, will be considered for financial aid eligibility determination. This includes any form of the grade of “W”.

## Semester Grade Point Average

The **semester GPA** is obtained by dividing the total number of quality points earned for the semester by the number of hours attempted that semester. The semester grade point average is used to determine the Honor, Dean’s, and President’s lists for undergraduate students.

## Repeating Courses

When a course is repeated at Northwestern State University or transferred to NSU, all grades earned will be used in computing the cumulative grade point average. This means that all attempts at a repeated course will be computed into the cumulative grade point average and all course grades will appear on the transcript.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit.

## Substituting Courses

Authorization for a student to substitute a course for another specified in a curriculum requires the approval of the student’s academic advisor, the head of the department that offers the degree program, and the academic dean whose college offers the degree program. Approved substitutions are valid for the degree program under which the substitution was approved and may not apply to other degree programs.

## Dismissal of Students from Classes

Any instructor may, under certain conditions, dismiss a student from a class. The action requires the approval of the head of the department which offers the course and the academic dean. It will be done only if all academic personnel concerned feel that all other reasonable measures to correct the situation are inappropriate or ineffective.

The instructor who wishes to dismiss a student from one of his or her classes must prepare and sign a written notice of dismissal and submit it for approval to the department head and dean. The notice is to include the grade recommended by the instructor (either W or F). If the department head and dean approve the dismissal, copies of the notice will be given immediately to the University Registrar and the student.

If a dismissed student feels that the action taken was improper, an appeal may be made to the instructor and/or others concerned. The student may also appeal to the Registration, Credits, and Graduation Council. This appeal must be initiated at the University Registrar's Office within five days after the date of the dismissal notice.

If the dismissal is approved following proper review and consultation, the University Registrar will enter the appropriate grade on the student's record.

## Class Attendance

Class attendance is an obligation and a privilege. All students are expected to attend their enrolled classes. Failure to do so may jeopardize students' scholastic standing in their courses and may lead to suspension from the University.

Course instructors are required to state expectations regarding class attendance during the first week of classes in writing to the students and must maintain a permanent attendance record for each class. Instructors may establish grading policies that incorporate attendance requirements, including policies and penalties for class absence, tardy attendance, make-up work, and late coursework.

Instructors may excuse an absence for documented illness and doctor appointments, personal and family issues, and other similar situations at their discretion pursuant to the class attendance policy, and shall excuse absences for official University-excused<sup>1</sup> activities reported by University personnel, religious observances supported by students' religious beliefs, official military orders and first responder orders during emergencies, scheduled court appearances, and jury duty. In professional degree programs (e.g., Nursing, Allied Health, Education), students are required to meet the minimum number of attendance or clinical hours each semester in each course.

In the case of planned absence, students are responsible for anticipating such conflicts and discussing them with their instructors in advance, preferably at the beginning of the semester. In the case of unplanned absence, students shall submit documentation to their instructors upon their return to the respective class.

Students tardy for a class meeting should resolve the matter with their instructors at the end of the class period during which the tardiness occurred. Otherwise, the instructor may treat the tardiness as an absence pursuant to the class attendance policy.

Students are responsible for all class activities missed during their absences, whether excused or unexcused. Acceptance of make-up work and penalties for late work are determined by instructors' discretion pursuant to the written attendance policy for the course.

For students with excessive unexcused absences (ten percent or more of the total class meetings), instructors may complete the Non-Attendance Report of Grade Form and submit it to the academic dean of the course recommending that the student be dropped from the roster of that class.

A grade of "F" shall be given if a student has unsatisfactory academic performance in the course and may be given if the student has five or more unexcused absences for MWF classes, four or more unexcused absences for MW or TR classes, two or more unexcused absences from classes that meet for three hours one time a week (Monday-Saturday), and two or more weeks of unexcused absences from Internet classes.

<sup>1</sup> Official University-excused absences shall be sanctioned by the academic dean, dean of students, or the athletic director or the dean or director designee. Course instructors shall be notified in advance when students are participating in official University activities.

## Resignation/Cancellation from the University

At some time, it may be necessary for a student to leave school. If this should occur, the student should not leave without completing an official resignation/cancellation form that will protect his or her academic standing. Please read carefully:

1. A student is responsible for cancelling his/her registration before the first day of classes for a fall/spring term or no later than the second class day of a summer session, if proper financial arrangements have not been made.
2. A student who fails to cancel his/her registration according to the refund schedule will be obligated to pay for those classes in accordance with the current refund policy. Classes will **NOT** be dropped automatically due to non-payment of tuition and fees or non-attendance of classes.
3. Students who drop all courses in which they are registered must officially resign from the University. Students cannot drop their last class via VIC at <https://vic.nsula.edu>.
4. Students who want to cancel their registration or resign from the University may initiate the resignation/cancellation process in the Office of the University Registrar or go to the University Registrar's Office Web page at <https://www.nsula.edu/registrar/> to download a copy of the Resignation/Cancellation Form. Students must print, complete, sign, date, and fax the completed form to the Office of the University Registrar at (318) 357-5823 or scan the completed form and e-mail it as a PDF attachment to [registrar@nsula.edu](mailto:registrar@nsula.edu).
5. Students unable to come to campus and/or without Internet access may fax a letter of resignation/cancellation to the University Registrar's Office at (318) 357-5823.
6. A student may resign from the institution with grades of "W" prior to a date specified in the official University academic calendar.
7. Students who leave the University without completing an official resignation/cancellation form may have grades of "F" or "WN" recorded in all courses in which they are registered and will be charged all fees associated with their registration.

## Registration, Credits, and Graduation Council

The Registration, Credits, and Graduation Council is the policy-making body for the conduct of academic studies at the University. The responsibilities of the Registration, Credits, and Graduation Council include establishing policies and

procedure for registration, academic rules and regulations, acceptance of transfer credits, grading, and graduation requirements. The Council reviews and makes decisions on various student requests for cancellation of or resignation from classes, reinstatement of registration, and appeals to change a reported grade. All changes in University policies that will be included in the University Catalog must be approved by the Council before submission to the Curriculum Review Council. In compliance with the Family Educational Rights and Privacy Act, meeting minutes are not published because of restricted information. Monthly meetings are held the third Thursday except during registration and end of semester activities, including commencement.

Students with extenuating circumstances, which prevent completion of a semester, may request an exception to the resignation/cancellation policies by completing a Registration, Credits, and Graduation Request Application along with appropriate documentation. Requests for a cancellation or resignation in selected classes must be based on administrative reasons.

#### **Notes:**

- **Retroactive Cancellation:** Extenuating circumstances **DO NOT** include dissatisfaction with a grade, instructor, content of the course, belated decision to change a major, or lack of knowledge about refund policies. Applications must be submitted within the academic calendar year of the term being requested.
- **Retroactive Withdrawal/Resignation:** Extenuating circumstances **DO NOT** include dissatisfaction with a grade, instructor, content of the course, belated decision to change a major, or lack of knowledge about withdrawal/resignation policies. Applications must be submitted within three (3) calendar years from the end of the semester being requested. Absolutely no request will be considered after three years.

### **Refund Policy**

#### **Standard University Resignation Refund Policy**

**For students resigning:** The date that a student officially resigns from the University determines whether fees are refunded. A student who officially resigns from the University after early registering for classes may obtain a fee refund (or not be charged for classes) according to the following schedule:

##### **Spring and Fall Semester:**

| <u>Date of Resignation</u>                         | <u>Amount of Refund</u> |
|----------------------------------------------------|-------------------------|
| Through the Seventh day of Classes .....           | 100%                    |
| Eighth through the Fourteenth day of Classes ..... | 50%                     |

##### **Summer Semester:**

| <u>Date of Resignation</u>            | <u>Amount of Refund</u> |
|---------------------------------------|-------------------------|
| First and Second day of Classes ..... | 100%                    |
| Third and Fourth day of Classes.....  | 50%                     |

Students who fail to cancel or resign from classes according to the above schedule will be charged for all fees associated with their registration. Once students enroll for classes, they must resign in accordance with the above schedule in order not to be assessed registration fees.

**Add/Drop Fee Adjustment:** Students who apply for and are permitted a reduction in hours scheduled during the first seven class days (two class days in the Summer) will be issued a full refund of the per credit hour fee for the number of hours dropped and applicable student self-assessed fees. No refunds will be issued for a reduction in credit hours after the seventh day. Students who add classes during the schedule adjustment

period are required to pay the additional fee assessment in accordance with the fee payment schedule.

**The following charges are non-refundable:** Health Services Fee, Parking Permit Fee, Installment Plan Charge, Late Payment Charges, Late Registration Fee, University Fines, Bookstore Charges, ID Replacement Charges, Credit Exam Fees, and the Application Fee. Housing charges are reduced by the Housing Office based on the student's check-in and check-out dates. Meal Plan charges are reduced by Auxiliary Services based on the unused portion of the meal plan.

**Courses dropped with a grade of "W" are not refundable** at any time and will not be credited to a student's account. In some cases, the refund policy will result in a reduction of charges and not a "cash" refund.

**RETURN OF TITLE IV FUNDS** – A student who withdraws or otherwise terminates his or her enrollment during the first 60% of the semester or session, and receives financial assistance from Title IV programs (Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Leveraging Educational Assistance Partnership Program, Federal Perkins Loan, Federal Stafford Loan, and Federal PLUS Loan) earns Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the period that the student remained enrolled is the percentage of disbursement aid for the semester/session that the student earned. The percentage of the period that the student remained enrolled is derived by dividing the number of days the student attended by the number of days in the semester/session. Calendar days are used, but breaks of at least five concurrent days are excluded from the calculation. The Title IV program reimbursement monies will be withheld from any institutional refunds (tuition, room, board, fees, and etc.) due the student. If these monies are not sufficient to cover the reimbursement required, the student will be billed for the remaining amount. Failure by a student to comply with this Return of Title IV Funds Policy will make such student ineligible to participate in any Title IV aid program from any post-secondary institution until the student is in compliance with Return of Title IV Funds.

### **Scholastic Probation, Suspension, and Readmission Regulations**

There are three categories of academic standing: academic good standing, academic probation, and academic suspension (one semester or one year). Although students will usually receive official notification of academic standing, such notice is not a prerequisite to students being placed in one of the above categories. It is the responsibility of each student to ascertain academic standing prior to the beginning of the next enrollment period. Professional departments or divisions within the university may set additional academic standards for progression in their programs. The word "semester" as applied in this policy, includes summer terms.

#### **Academic Probation**

1. A student will be placed on academic probation whenever the cumulative grade point average is below a 2.0 average.
2. Once on academic probation, a student will remain on probation (as long as each semester grade point average is at least 2.0) until the cumulative grade point average of 2.0 or higher is achieved. While on probation, a student must earn at least a 2.0 semester grade point average to remain in school.

3. Once a cumulative grade point average of 2.0 or higher is achieved, a student will be placed in academic good standing.
4. Transfer students are placed on academic probation if the cumulative grade point average is below a 2.0 average.

#### **Academic Suspension**

1. A student on academic probation will be suspended at the conclusion of any semester in which the student fails to earn a semester grade point average of at least 2.0. First-time freshmen admitted in good standing will not be suspended prior to the completion of two semesters of enrollment.
2. A student suspended for the first time will be suspended for a period of one semester. All subsequent suspension periods are for one full calendar year.
3. A student suspended for the first time at the end of a spring semester may attend summer school without appeal. If the student raises their cumulative grade point average to 2.0 or higher, they are placed in academic good standing and their suspension period is lifted. They may then attend the fall semester without appeal. If they do not raise their cumulative grade point average to 2.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student.
4. A student suspended for second or subsequent time at the end of the spring semester may also attend summer school. To be readmitted to any semester other than the summer session, students must appeal.
5. A student suspended from Northwestern may not enroll in another university within the Board of Supervisors system, but may enroll in a community or junior college with approval of both Northwestern and the community/junior college. Credits earned under these conditions may be accepted for a degree at Northwestern provided grades of "C" or higher are earned in each of the courses to be transferred.

#### **Readmission from Suspension**

1. All students with an academic standing of "suspension" may appeal to their academic dean prior to the last day of regular registration to be considered for readmission. Appeals may be granted or denied.
2. Students who are readmitted by their academic dean must be cleared for registration by the Coordinator of the Academic Success Center and then advised by their major advisors.
3. Transfer students who have been suspended from other systems may appeal to enroll at Northwestern during the academic suspension period only if they have a 2.0 cumulative average. Appeals may be granted or denied.
4. A student who has completed a suspension period may re-apply for admission to the University. Applications for readmission may be granted, or denied.

Refer to the University Registrar's Office webpage at [www.nsula.edu/registrar](http://www.nsula.edu/registrar) for a copy of the academic suspension appeal form for undergraduate students.

### **Academic Bankruptcy**

Undergraduate students may, at the time of application for admission or readmission to the University, file for academic bankruptcy if they have not been enrolled in any college or university for a period of at least three calendar years immediately preceding their intended enrollment at NSU.

**Note: Academic Bankruptcy may not be declared once a degree has been earned.**

The following conditions will apply:

1. The student will forfeit the use of all college or university credits earned prior to the date academic bankruptcy was declared, including credits earned through any type of advanced placement program.
2. The student's record will be inscribed with the notation "Academic Bankruptcy Declared (date)."
3. No courses taken prior to the declaration of Academic Bankruptcy will be used in the calculation of the student's grade point average and may not be used to fulfill requirements of any kind.
4. The student will be ineligible for special academic honors conferred by the University except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.
5. A student who has declared Academic Bankruptcy will be considered as an entering freshman and will be subject to all policies for placement in courses. Specifically, such students will be required to take the American College Test and/or the COMPASS test to determine placement in English and mathematics courses.
6. A declaration of Academic Bankruptcy is final and irreversible, and may only be exercised once in a student's academic career.
7. Declaration of Academic Bankruptcy does not pertain to accumulated financial aid history. Accumulated semester and award limits include all semesters of enrollment, both before and after the declaration.
8. These policies concerning Academic Bankruptcy pertain only to Northwestern State University.

To request Academic Bankruptcy, a student must be admitted to the University and must submit the Petition for Academic Bankruptcy to the University Registrar's Office at least two weeks prior to the beginning of the intended semester of enrollment. After reviewing all records to determine that the student has submitted all required transcripts and has met the three-year period of non-enrollment, the University Registrar's Office will verify, sign the request, and forward the material to the appropriate dean. The dean will ensure that the student is counseled, act on the request, and return the material to the University Registrar's Office.

### **GRADES**

#### **Grades and Quality Points**

Credits at NSU are reported in semester hours. Letter grades based on the quality of work are assigned in most courses at NSU. Grades generally used are "A" (4.0 - excellent), "B" (3.0 - good), "C" (2.0 - average), "D" (1.0 - poor), and "F" (0.0 - failure). A grade of "I" (incomplete) in a course means that the student's work in that course is incomplete due to circumstances beyond his or her control, as determined by the instructor, and that completion of the work could lead to a passing grade. Except for thesis courses or those courses in which the student is writing a formal research project-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the official closing date of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of "I" will be changed to "F". Incomplete grades may be assigned to independent study courses, thesis, research, and special problem courses.

A grade of "IP" (In progress) means that work in a research or thesis course is incomplete, but in progress. Students enrolled in a course for which a grade of "IP" is allowed must remain continuously enrolled (except summer) or a grade of "F" will be given. A waiver of this policy may be given by the Provost.

The academic dean of the course can grant the student no more than one 60 day extension to complete the course work after the final day for removal of “I” grades provided the student has documented extenuating circumstances. Only one extension may be granted – then after that a grade of “F” will be assigned if the course work is not completed by the extended date.

A course may be repeated; however, all grades earned will be calculated in the cumulative grade point average.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit.

The grade of “W” is used to represent an official withdrawal from a course. The grade of “WN” is used to indicate that the student never attended the class.

Grades are entered on academic records at the end of each semester or summer session. Students receive grades via the Internet following the completion of each semester. See Official Grade Types listed below.

The quality of work done by a student is also measured in terms of “quality points.” One who earns an “A”, in a course is awarded four quality points for each semester hour of the course. For example, an “A”, in a three-hour course represents 12 quality points. Quality points earned for other grades are three quality points per hour for each “B” grade, two per hour for each “C” grade, and one per hour for each “D” grade. Grades of “AU”, “CR”, “NC”, “NR”, “P”, “S”, “U”, “F”, “I”, “W”, “Z”, “IP”, and “WN” yield no quality points. Quality points provide a simple method of calculating the average quality of a student’s academic work. A student’s overall cumulative grade point average is obtained by dividing the total quality points by the total number of quality hours. Under certain limited conditions, grades of “S” (satisfactory) or “P” (pass) may be awarded. All credits earned or awarded through special examinations for credit, CLEP, military service, and those accepted on the basis of foreign transcripts are recorded with grades of “S”. Grades of “P” and “F” may be awarded for credit earned in courses only after prior approval by the University Curriculum Review Council.

## Official Grade Types

| Grade | Meaning                   |
|-------|---------------------------|
| “A”   | Excellent                 |
| “AU”  | Audit                     |
| “B”   | Above Average             |
| “C”   | Average                   |
| “CR”  | Credit                    |
| “D”   | Below Average             |
| “F”   | Failing                   |
| “I”   | Incomplete                |
| “IP”  | In Progress               |
| “NC”  | No Credit                 |
| “NR”  | No Grade Recorded         |
| “P”   | Pass                      |
| “S”   | Satisfactory              |
| “U”   | Unsatisfactory            |
| “W”   | Withdrawn                 |
| “WN”  | Withdrawn, Never Attended |
| “Z”   | No Final Grade Received   |

## Appeal of Reported Grade

Undergraduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 calendar days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.
2. If the conference is not satisfactory, the student should secure a Grade Appeal Form from the University Registrar’s Office or the office of the dean of the college in which the course was offered. The student may discuss the appeal informally with the dean if the student so desires.
3. In filing a formal appeal, the student should complete the appeal form, stating the nature of the appeal, providing a detailed description of the justification, and requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation, the student wishes to have considered in the appeal process. It is the student’s responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student’s appeal, providing documentation as to how the grade was determined. The instructor’s response should include a copy of the course outline or syllabus provided to the student’s class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the academic department that owns the course. Following a review of the student’s appeal and the instructor’s response, the department head should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head, he or she may submit the appeal to the academic dean of the college offering the course. If the student is unsatisfied with the opinion of the dean, he or she may submit the written appeal with all signatures to the University Registrar. At that time, a meeting of the subcommittee on grade appeals for the Registration, Credits, and Graduation Council will be called to review and make a final decision on the appeal. The University Registrar will notify the student in writing of the decision.

## Academic Honesty

If knowledge is to be properly evaluated, it must be pursued under conditions free from deceit and misrepresentation, which are incompatible with the fundamental activity of this academic institution. Northwestern State University expects students to fulfill academic requirements independently and with integrity. Academic integrity is founded on values of honesty, trust, fairness, respect, and responsibility. Violations include, for example, cheating or deception in any form, plagiarism (including duplicity), misrepresentation of knowledge, misuse of resources, falsification, and facilitating another student’s academic dishonesty.



Acts of academic dishonesty violate the ethical principles of the University community and compromise work completed by others. For violations of academic honesty, a student may receive a grade of zero on the assignment and/or a grade of F in the class and will be referred to the Office of Student Conduct for additional sanctions or to create an infraction record.

For a comprehensive description of Academic Infractions refer to Article 4 Section 1 of the Student Handbook.

## Semester Examinations

Final examinations are scheduled at the end of each regular semester and summer session. Any departure from the published examination schedule requires prior approval of the Provost.

No student may be excused from a final examination. Absence from a final examination, other than in a case of extreme emergency, is construed and recorded as failure in the course.

## Final Grades

Grades are entered on academic records at the end of each semester or summer session. Students may view their grades by accessing VIC at <https://vic.nsula.edu>. The VIC system is available 7 days a week, 24 hours a day, except for emergency maintenance. A student who requires an official report of grades may request an official transcript from the University Registrar's Office.

## Transcripts

**Official Transcripts:** Students may order an official academic transcript by accessing the online-transcript-ordering system through the secure website, National Student Clearinghouse. This process is very efficient and easy to use. Note: A transcript sent to the student is considered unofficial.

Students may also request that their official academic transcripts be printed and mailed by U.S. mail. The Office of the Registrar will process the transcript within approximately three working days after receipt of a written, dated, and signed request. Processing of transcript requests at the end of a semester may take longer. The Transcript Request Form is available on the University Registrar's Office Web page at <https://www.nsula.edu/registrar/>. Signed transcript requests may also be faxed to 318-357-5823 or sent via email to [registrar@nsula.edu](mailto:registrar@nsula.edu) as a PDF attachment.

**View Status of Transcript Request(s):** Access VIC at <https://vic.nsula.edu>. Enter your username and password to enter VIC. On the NSU Student Records card, select "Track Transcript Request" to check the status of your request(s).

**Unofficial Transcripts:** Students may obtain an unofficial transcript by accessing VIC at <https://vic.nsula.edu>. Enter your username and password to enter VIC. On the NSU Student Records card, select "View Unofficial Transcript" to view or print a copy of your transcript.

## CREDITS

### Transferred Credit

Hours earned at an institution accredited by an Northwestern State University recognized accrediting agency will be accepted at NSU with the following exceptions.

1. No more than 65 semester hours of credit earned at a two-year institution may apply toward a degree at Northwestern, and these hours may apply as freshman and sophomore level courses only. Since the Bachelor of Applied Science allows students to transfer elective credits to meet degree requirements, this degree will allow no more than 70 hours of credit to be applied to a degree at Northwestern.
2. The academic dean will determine how transferred credits may be applied to degree requirements. Courses that do not correspond to courses offered at NSU will transfer as elective credits.
3. Even though some courses may not transfer toward the degree, all hours pursued are used in determining the cumulative grade point average.
4. While a student is under suspension, no credits earned by the student at another institution may be used toward a degree at this university.
5. Credits earned through CLEP (College-Level Examination Program) must be sent to Northwestern State University from the Educational Testing Center in Princeton, New Jersey. These credits will not be accepted from another school's transcript. (CLEP scores over 20 years old may be taken from another school's transcript since CLEP does not keep scores for more than 20 years.)
6. Courses taken at another four-year university cannot be evaluated to more than one level higher than the original. Example: A transferred freshman level course cannot be evaluated as a junior level course; a sophomore level course cannot be evaluated as a senior level course.

The accrediting agencies that NSU recognizes are:

- Higher Learning Commission (HLC)
- Middle States Commission on Higher Education (MSCHE)
- New England Association of Schools and Colleges Commission on Institutions of Higher Education (NEASC-CIHE)
- Northwest Commission on Colleges and Universities (NWCCU)
- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
- Western Association of Schools and Colleges (WASC)

Transfer students must request the University Registrar of each college or university previously attended to forward to the NSU Admissions Office a complete and official transcript of work. An official transcript is defined as one mailed directly from one institution to another, bearing the institution's seal, the signature of the University Registrar, and the date of issuance, or delivered securely through an electronic environment directly to the Office of Admissions.

Transfer Credit Practices of Designated Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), is used as a basis for determining the accreditation status of other institutions. Credits earned at a non-accredited institution will not be accepted at NSU. The exception to this being credits earned at the Community Colleges listed on the Board of Regents Transfer Credit Matrix. The student may demonstrate knowledge of the subject through tests or by other suitable means. This determination of acceptability will be made by the University Registrar and the academic dean.

Transfer students who have completed college coursework outside the United States are required to secure a credential course-by-course evaluation from one of the U.S. evaluation services approved by the university. In order for the credits to be accepted by Northwestern, the evaluation must indicate that the coursework is equivalent to coursework completed in the U.S. from a recognized accredited institution.

A list of university approved evaluation services can be obtained from the University Registrar's web site ([www.nsula.edu/registrar](http://www.nsula.edu/registrar)) under Transfer Credits. Students from University of Alicante admitted to participate in the dual degree program in Business Administration do not need to submit a professional evaluation of their academic credentials, so long as University of Alicante submits the official transcript.

After the student has had transcripts from all previous institutions sent to NSU, they may contact the department of their chosen major to verify that all transcripts have been received and that the credits have been applied to their degree plan.

If a student has earned elective credits for courses from an accredited institution and feels that the content of the courses might be acceptable to NSU degree requirements, the courses will be reviewed by the University Registrar and the academic dean.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit. Any student enrolled at NSU must secure the academic dean's permission in advance to take required course work (excluding remedial) at another institution. The student must complete the "Request for Prior Approval of Transfer Credit" form, which can be found on the University Registrar's website ([www.nsula.edu/registrar](http://www.nsula.edu/registrar)) or in the University Registrar's Office.

## Transfer Credit Matrix

To view the Transfer Credit Matrix for Louisiana Colleges and Universities, use the University Registrar's Office website [www.nsula.edu/registrar](http://www.nsula.edu/registrar). There, you will find a link to the Louisiana Board of Regents website ([www.regents.state.la.us](http://www.regents.state.la.us)) which contains the Louisiana Postsecondary Education Statewide Student Transfer Guide and Articulation System.

Please be aware that the listing of courses through this site is NOT all inclusive. There will be courses that articulate between campuses that are not indicated on the matrices. Contact the University Registrar's Office with questions concerning specific courses.

## Transfer Agreements

Northwestern State University has entered into Articulation and Partnership agreements with many colleges and universities. An articulation agreement is a formal agreement or partnership between Northwestern State University and another institution of higher education.

Refer to the Office of the Registrar's webpage at [www.nsula.edu/registrar](http://www.nsula.edu/registrar) for copies of approved agreements. Or you may contact the Office of the Registrar at (318) 357-6171 for more information on these articulation and partnership agreements.

## Credit for Transfer/Correspondence Work

Any student who is currently enrolled at NSU and wishes to take coursework at another institution or by correspondence is required to fill out a "Prior Approval of Transfer Credit" form. Students may not receive credit for work taken concurrently at another college or university without prior written approval from their academic dean. The following regulations govern the taking of coursework elsewhere:

1. Permission to take courses elsewhere will be granted only to students who are or have been enrolled at NSU.
2. Permission will not be granted to students who are on academic suspension.
3. The student must provide the course number of the NSU course for which he or she is seeking equivalent credit.

4. A University Registrar's Office evaluator will provide the equivalent course number for the institution the student plans to attend.
5. The student's Dean has the final approval for the student to take the course elsewhere.
6. Twenty-five (25%) of the semester hours required for the degree at NSU must be earned through instruction at NSU.
7. It is the student's responsibility to see that an official transcript is mailed to NSU by the other institution.

NOTE: Students enrolled in a teacher certification program must obtain approval from the Dean of their teaching major and the Dean of the Gallaspy Family College of Education and Human Development.

## Credit for Extra-Curricular Activities

Credit may be granted in some activities such as band, chorus, ensemble, orchestra, dance line, and others. These courses may be repeated as many times as desired, **but no more than eight hours of credit earned in such extra-curricular activities may be applied toward fulfillment of degree requirements.** Students must complete a minimum of 120 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.

## Servicemembers Opportunity College

Because of its efforts to serve the educational needs of servicemembers and their family members, NSU has been designated a member of the Servicemembers Opportunity College (SOC). As a member of the Servicemembers Opportunity College, NSU has committed itself to fully support and comply with SOC principles and criteria. A SOCAD Student Agreement or documented degree plan for active duty personnel will be issued through the ArmyIgnitED portal upon completion of their second class with NSU. A SOCAD Student Agreement or degree plan for family members will be prepared and issued by the Military Liaison Officer upon request. The agreement will be completed in accordance with the following guidelines:

1. The student must be a soldier on active duty or a family member of an active duty soldier.
2. All transcripts of previous college work and a completed evaluation of military experiences must be on file before an agreement is prepared.
3. The agreement will be prepared for curriculum networks authorized in the SOCAD Handbook only. The current university catalog, to include approved curriculum changes, will have precedence over the SOCAD Handbook when differences exist due to updates not shown in the Handbook.
4. The Student Agreement for an active duty member will be issued directly to the student through the ArmyIgnitED portal. Agreements for family members will be mailed or electronically transmitted to them.

## Prior Learning Assessment

Northwestern State University recognizes that learning occurs outside of the college setting through non-traditional means. The University, in compliance with the Louisiana Board of Regents, abides by the system-wide Prior Learning Assessment Policy.

## What is Prior Learning Assessment?

Prior Learning Assessment (PLA) is the process of granting undergraduate college credit that has been acquired through work, training, volunteering, or personal experiences. Credits may be earned through a variety of methods such as challenge or standardized exams, military experience, workforce credentials or through a portfolio evaluation.

## Standardized Examination Programs

### • **American College Testing (ACT)**

Freshmen who enroll as degree seeking students at Northwestern may be eligible for semester hours of credit based on their English and Mathematics ACT subscores.

### • **Advanced Placement Program (AP)**

Sponsored and coordinated by the College Board and Educational Testing Service (ETS), the AP program consists of college-level courses and standardized examinations for high school students. Each May, AP exams are administered in the high schools to students who have participated in this program. Fees are determined by, and are payable to, ETS. Recipient code number 6492 should be used by students to have their scores reported to Northwestern. A complete list of the AP tests and credit is available in the Testing Center at NSU and on the web at [www.nsula.edu/registrar](http://www.nsula.edu/registrar).

### • **College-Level Examination Program (CLEP)**

Any prospective or enrolled student who attains satisfactory scores on Northwestern State University approved Subject Examinations of the College Level Examination Program (CLEP) administered by or under the auspices of the Educational Testing Service (ETS) for the College Board is eligible to receive credit on the basis of such tests. Registration forms must be received by the Testing Center at least three weeks prior to each test date. Students may also arrange to take CLEP tests at other centers and use recipient code 6492 to have their scores reported to Northwestern. Students applying for credit for NSU-approved CLEP Subject Examinations must have scores sent directly to Northwestern State University from CLEP. CLEP scores will not be used from the previous institution's transcript unless the scores are over 20 years old. (Military service veterans who took CLEP as part of the DANTES program must have CLEP scores reported directly to the University from DANTES). A CLEP Subject Examination should be taken well in advance of the semester during which the student would normally register for the course involved. Examinations are given by appointment at Northwestern. A complete list of the Subject CLEP tests is available in the Testing Center and on the web at <https://www.nsula.edu/testingcenter/>. CLEP registration materials may be obtained from any national test center or the Educational Testing Service, Princeton, New Jersey. A CLEP Subject Examination of the same title may not be repeated within a 180-day period after the initial administration. If an exam is retaken within the 180-day period, the administration will be considered invalid, the score will be canceled, and fees will be forfeited.

### • **SAT Examination**

Beginning freshmen at Northwestern may be eligible for semester hours of credit on the basis of their Reading and Writing and Mathematics SAT subscores.

## Institutional Examination/ Assessment Programs

### • **Challenge Examination Program**

Academic departments extend to enrolled undergraduate students the opportunity to "challenge" virtually any course offered by the University. These examinations, administered by the departments, may not be repeated. A student may not challenge any course in which a grade ("A", "B", "C", "D", "F", "I", "P", "S", "U", "W", "Z", or "AU") has been earned.

Undergraduate students interested in taking a special examination must be enrolled in at least one credit hour and must register for the exam on or by the last day to register for classes by completing the following steps:

1. Contact the Department Head responsible for the course to get a special exam card. The Department Head must approve the special exam by completing the information on the card and signing the card. (If there is no Department Head, the Dean must complete the information.)
2. Have your academic advisor sign the card to approve the special exam.
3. Take the completed card to the University Registrar's Office to be registered for the exam.
4. A non-refundable fee of \$100.00\* for each special exam will be assessed.

\*All fees are subject to change without notice.

**Note:** A student cannot register for a special exam and the same regular semester course at the same time.

**Note:** A student who fails to complete at least one credit hour during the semester in which a special exam is taken will forfeit credit for the exam.

### • **Advanced Standing Examination Program**

Advanced Standing Examinations are offered by the academic departments at Northwestern to eligible incoming freshmen with English and Mathematics ACT scores of 25 or above. These students are invited to attend Credit Connection, the annual spring testing day at Northwestern, for the opportunity to earn credit hours through this program.

### • **Portfolio Evaluation Program**

Students may petition for the acceptance of credits for learning experiences that occurred after high school but prior to admission to the university. A student's past postsecondary education and experiences are assessed through a formal process called Prior Learning Assessment (PLA). This process is in accordance with commonly accepted good practice in higher education and satisfies criteria established by the Southern Association of Colleges and Schools Commission on Colleges (SACS) and the Council for Adult and Experiential Learning (CAEL). A student petitioning for PLA credits must complete a course in foundations of professional studies, develop a PLA plan with an advisor, and submit portfolios that document the experiential learning to be assessed by subject matter faculty through the formal process. This process is handled through the office of Electronic & Continuing Education by the Coordinator of Adult Education Initiatives. For information on program policies, standards, and requirements, and fees see the website for the Northwestern State University PLA process at <https://nsula.edu/ece/>.

### • **Military Service Evaluation**

Northwestern State University offers college credit to a student who has prior military service. The student may request to have their military training evaluated by NSU through Joint Service Transcript at <https://jst.doded.mil>. Credit is awarded in accordance with recommendations set forth by the American Council on Education (ACE). Once the transcript has been uploaded, the NSU Military Liaison will evaluate the transcript for course credit and send a copy of the official evaluation to the University Registrar's Office. The Community College of the Air Force transcript (CCAF) is treated as a regular college transcript. Credit is also allowed for satisfactory completion of the following proficiency examinations: CLEP General, CLEP Subject, and Dantes Subject Standardized Tests (DSST).

## • **Business and Industry-Based (IBC) Professional Certification Program**

Students who have successfully completed industry-based or professional certifications may be eligible for course credit. IBC's are available only in a limited number of courses offered at NSU. While students may be eligible to receive credit for a course based on an Industry or Professional Certification, in some cases and programs, NSU reserves the right to request and assess supplementary assessment materials to establish course equivalencies. Accreditation and industry requirements may also restrict the acceptance of IBC credit. Students must supply valid documentation, authenticating the certification(s). A student may apply for credit once in the same course. A student awarded IBC credit will receive course credit, indicated with a grade of "CR". A student may not appeal the outcome of this process.

## **Academic Honors**

### **Semester Honors**

Honor, Dean's, and President's lists are released at the end of the spring and fall semesters.

**The Honor List:** Undergraduate students who meet the following requirements will be named on the Honor List:

1. Must have a semester grade point average of a B (3.0).
2. Must be enrolled full-time in the University (at least 12 semester hours).
3. Students who receive grades of "D", "F", "U", "I", or "IP" in undergraduate coursework are not eligible for the Honor List.
4. Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Honor List.

**The Dean's List:** Undergraduate students who fulfill the following requirements will be named on the Dean's List:

1. Must have a semester grade point average of 3.5.
2. Must be enrolled full-time in the University (at least 12 semester hours).
3. Students who receive grades of "D", "F", "U", "I", or "IP" in undergraduate coursework are not eligible for the Dean's List.
4. Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Dean's List.

**The President's List:** Undergraduate students who fulfill the following requirements will be named on the President's List:

1. Must have a semester grade point average of 4.0.
2. Must be enrolled full-time in the University (at least 12 semester hours).
3. Students who receive grades of "B", "C", "D", "F", "U", "I", or "IP" in undergraduate coursework are not eligible for the President's List.
4. Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the President's List.

### **Graduation with Special Honors**

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishments of students whose scholastic performances are most worthy, NSU is pleased to grant special distinction to graduates of baccalaureate degree programs who meet or surpass the standards described below.

Students who have an overall grade point average of at least 3.5 (3.500-3.699) will be recognized as graduating cum laude. Those with a grade point average of at least 3.7 (3.700-3.899) will graduate magna cum laude. Those with a grade point average of at least 3.9 (3.900-4.000) will graduate summa cum laude.

All grades earned, including all earned in repeated courses, are used in computing eligibility for Special Honors.

No grades earned by special examination will be used in computing eligibility for Special Honors.

Students who have declared Academic Bankruptcy will be ineligible for special academic honors except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.

## **Student Residence Regulations for Colleges and Universities under the University of Louisiana Systems**

The residence status shall be determined in accordance with Board rules and shall be based upon evidence provided in the Application for Admission and related documents. Residence status shall be determined by the University Registrar's Office after the completed Application for Admission has been submitted. The rules shall be based primarily on the location of the home and the place of employment. Residence status may not be acquired by an applicant or student while residing in Louisiana for the primary purpose of attending school. Residence status is not determined for students registered for three semester hours or less. The following conditions may be used in determining residence status:

1. An applicant living with their parents is classified as resident if the parents have established a bona fide residence in Louisiana. Ordinarily a parent is considered to have established a residence in Louisiana if they actually reside and is employed full-time in the state. A parent who is unable to be employed or who is a homemaker may be considered to have established a residence if there is convincing evidence that the person continuously resides in Louisiana. If only one parent qualifies as a resident of Louisiana, the student shall be classified as a resident provided that student resides with the parent who is a resident of Louisiana. An individual who resides in Louisiana and is employed full-time in another state may be classified as a resident. In such a case, appropriate documentary evidence shall be presented.
2. A student residing with their parents who enrolls as a nonresident shall be classified as a resident if the parents move to Louisiana and acquire a residence as defined in these regulations.
3. A student may be declared a resident if either parent\*\* is a graduate of the institution which the student attends. A student that graduates with an associate or higher degree may be classified as a resident for subsequent enrollment at that same institution (applicable only to U.S. citizens).
4. A person may be classified as a resident of Louisiana at the end of twelve consecutive months of residence if they have been employed in Louisiana and if during that period have not been registered in an educational institution for more than six semester hours or its equivalent in any semester. A person who is unable to be employed and who has not been registered in any educational institution for more than six hours or its equivalent in any semester, may acquire residence in Louisiana if there is convincing evidence that they continuously resided in Louisiana for 12 consecutive months immediately preceding registration.

5. A student who is married to a Louisiana resident may acquire the residence status of the spouse.
6. A person who resides in Louisiana for at least two years, exclusive of military service, and then moves to another state or foreign country shall retain the right to enroll themselves or any dependents as a resident for a period equal to the number of years they resided in Louisiana, but the right shall expire upon the person's residing for a period of two years in another state or foreign country.
7. Members of the full-time armed forces (not reserve or guard) currently stationed in Louisiana and their dependents shall be classified as Louisiana residents. Those who were stationed in Louisiana immediately prior to release from active duty may enroll themselves or their dependents as residents during a period not to exceed six months after the date of release provided that the term of active duty shall have been no less than 12 consecutive months.
8. A member of the full-time armed forces who was a resident of Louisiana immediately prior to entering the armed forces shall retain the right, along with any of their dependents, to be classified as a resident as long as they are in the armed forces and for a two-year period after leaving the armed forces.
9. A resident of Louisiana shall not lose the right to be classified as a resident during periods of employment in a foreign country.
10. An alien who has been lawfully admitted to the United States for permanent residence as an immigrant (proof of such status shall be possession of his Form I-551 Alien Registration Receipt Card or passport officially stamped "Approved as a Resident Alien") and who has established a residence under any of the foregoing provisions shall be declared a resident of the state.

## Non-U.S. Resident

A student who is a non-U.S. citizen may be entitled to resident classification if the student has been lawfully admitted to the United States for permanent residence (refugee, person who is married to a U.S. citizen, "temporary" or amnesty alien, etc.). This granting of resident status for fee purposes shall be in accordance with all applicable laws of the U.S. and relative requirements of the System's Student Residence Regulations.

Students and their dependents (CIS approval) present in the United States under terms of any category of any one of the following visa classifications:

- E – Treaty Trader or Investor
- G – Representative of International Organization
- H-1B – Temporary Worker in a Specialty Occupation (H-1A and H-4 may also apply to qualify for exemption)
- I – Foreign Information Media Representative
- K – Spouse, and/or minor child (Residency approved with proof of marriage to U.S. citizen)
- L – Intra-company transferee/foreign employer who demonstrate a Louisiana domicile for at least one full year (and meet System regulations) prior to the first day of class of the beginning of the semester will be eligible for an exemption of the non-resident fees while holding such a visa.

Students holding the following visa classification:

- A – Government Officials will be immediately eligible for an exemption of the non-resident fees while holding such a visa.

Students holding the following visa classifications:

- B – Visitor for business/pleasure
- C – In Transit
- D – Crewman
- F – Academic Student
- H – Temporary Worker
- J – Exchange Visitor

- M – Vocational/Non-Academic Student are not eligible to establish Louisiana domicile nor be exempted from non-resident fees unless otherwise permitted by law, by System policy, or other regulations.

**Note:** It is to be noted that the domicile and resident status of a dependent or an unmarried minor is regarded to be that of the parent with whom such a dependent or minor maintains his/her place of abode.

**\*\*Parent** only includes the biological parent or adoptive parent. Parent does not extend to step-parents, grandparents, guardians, etc.

## Appeals

Any student classified as a nonresident may appeal his classification to the Residence Appeals Committee.

## Incorrect Classification

All students classified incorrectly as residents are subject to reclassification and payment of all nonresidents fees not paid. If incorrect classification results from false or concealed facts by the student, the student is also subject to University discipline.

## Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) afford students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the University Registrar written requests that identify the record(s) they wish to inspect. The University Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained in the University Registrar's Office, the University Registrar will advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic, or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Supervisors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official committee in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school (Registrar to Registrar) in which a student seeks or intends to enroll.

The right to file a complaint with the U. S. Department of Education concerning alleged failures by a state university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office

U. S. Department of Education

400 Maryland Avenue, SW Washington, DC 20202-4605

### School Official

Northwestern State University defines **School Officials** as “those who have a legitimate educational interest. School officials are those employees of the University (trustee, officer, agent, auditor, students serving on university committees, staff members of the Boards of Regents and Supervisors, contractors, volunteers, and other non-employees performing institutional services and functions) who act in the student’s educational interest within the limitations of their **need to know**.” **Legitimate educational interest** means “any authorized interest or activity undertaken in the name of the University for which access to an Education Record is necessary or appropriate to the proper performance of the undertaking. This includes faculty, administrators, classified and unclassified employees, legal counsel, auditors, undergraduate student workers, and graduate assistants charged with maintaining Education Records and acting within the course and scope of their employment and authority.”

### Student-Right-to-Know (Annual Notification)

Northwestern State University General Disclosures on Accreditation, Cost of Attendance, Crime Rate Statistics, Degree Programs, Disability Services, Graduation Rates, Refund Policy, Resignation Policy, Return of Title IV Funds, Student Athlete Graduation, and the Family Educational Rights and Privacy Act may be accessed online at <https://www.nsula.edu/ferpa/> or <http://registrar.nsula.edu/>.

### Access to and Utilization of Academic Records (Family Educational Rights and Privacy Act)

NSU policy on the release of information on students is based on the premise that a student’s record is confidential and must be protected from those who would use it for other than legitimate purposes. At the same time, the policy must be flexible enough so as not to hamper the student or the University in the pursuit of legitimate endeavors.

Release of information on any student ordinarily will be made only on the written request or authorization of that student. This policy also applies to the issuance of transcripts. Telephone requests for transcripts will not be honored nor will requests for transcripts made by the parent, spouse or prospective employer of an adult student except on the authorization of the student. The parent of a student under 18 years of age may be provided a copy of that student’s transcript for personal use on written request. Transcripts may be issued on written requests to institutions from which a student has graduated or transferred, institutions to which a student transfers, or to organizations that sponsor a student,

provided the student concurs in the request.

Students may not inspect and review the following: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student.

Northwestern State University is committed to following the guidelines of the Family Educational Rights and Privacy Act. The only information ordinarily released concerning students will be that considered **Directory Information**. NSU defines this as student’s name, mailing address, email address, photograph, telephone number, dates of attendance, enrollment status (e.g., undergraduate or graduate; full-time or part-time), major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; degrees, honors and awards received, including naming to honor rolls; and the most recent educational agency or institution attended.

NSU maintains only those student records necessary for the conduct of business. Information in student records will be released to outside investigating agencies only with the written consent of the student involved. Once consent has been received by the Office of the University Registrar, information requested from academic records of students, (students’ permanent file containing admission credentials, transcripts, etc.) may be released to properly identified investigators. The approval of the Provost is needed to release students’ personnel records once consent has been received by the University. The Office of the University Registrar is obliged to provide information on students pursuant to court orders or subpoenas.

The University recognizes that research is a fundamental component of its overall mission. Occasionally, such research involves the use of students and data extracted from student records. Permission to conduct such research must first be obtained from the person in charge of the involved discipline. Authorization to utilize students must be obtained from the Committee on Protection of Human Subjects in Research. Permission to use student records must be secured from the University Registrar. Every effort will be made to ensure the anonymity of identifying information. Faculty members may review the academic records of their students to the extent that such reviews serve legitimate educational interests.

At least once a year NSU will publish in the student newspaper (The Current Sauce) and the Alumni Columns, and will broadcast over the student radio station KNWD, the fact that certain records are kept on students, that these records are available to students, and that students have the right to challenge the contents of these records. The types of academic educational records kept on students at NSU are as follows:

1. **Instructors.** A record is maintained on each student by the instructor. Such items as attendance, test grades, reports, etc., are noted by the instructor. The instructor treats this information in a confidential manner, and a student’s marks in the class can be divulged only to the student.
2. **Academic Deans.** The academic dean keeps the matriculation record of the student. Some incidental materials may be kept (such as newspaper articles, honors, a supervising teacher’s evaluation of a student teacher, etc.). No one has access to these records except the dean or a designated agent of the dean. These records are unofficial and can be reviewed in the dean’s office.

3. **Academic Advisors.** Upon matriculation at the University, each student is assigned an academic advisor who maintains a record of the student's academic progress. If the student changes majors, this record is transferred to the new advisor. The material in this record is of an academic nature, indicating the past and present matriculation record, current academic status, and curriculum. Only the academic advisor has access to this record, and it can be reviewed by the student in the academic advisor's office. These records are unofficial. They are placed in an inactive status if the student's education is interrupted.
4. **University Registrar.** The University Registrar is the keeper of the official academic record of the student. The student's application for admission to the University and other materials of an academic nature are kept in this office. The academic records in the University Registrar's Office are permanent and can be reviewed by the student. This includes records on all veterans receiving assistance from the Veterans Administration.
5. **Testing Center.** The Testing Center at Northwestern State University (NSU) exists to provide a variety of testing options for students at NSU and the surrounding communities. We strive to assist individuals in achieving their academic and professional goals by offering the most advanced options in a quiet and secure environment. The Testing Center adheres to the National College Testing Association's (NCTA) standards and guidelines to provide quality services to NSU and the surrounding communities.

### Address Change

A student must provide a local and permanent address at the time of admission to the University. Students may submit a request to change their address in the offices of the academic deans, academic department heads, or University Registrar. All requests must be submitted to the University Registrar's Office for processing. A student is responsible for the consequences of all communications sent to the address on file in the University Registrar's Office (e.g., refunds, billing statements, probation/suspension status, grade reports, and financial aid information).

Current address information may be reviewed by accessing VIC at [vic.nsula.edu](http://vic.nsula.edu).

1. Enter your username and password to enter VIC.
2. On the NSU Student Records card select "View your Student Profile."
3. Then select "Contact Information" to view current address information.

Students may submit a request to change their address in the office of the academic dean, academic department heads, or University Registrar.

### Name and Social Security Number Change

A student who wishes to change a name must submit a Name Change Request Form (or submit a written, signed, and dated request) and provide the original of the following:

- Social Security Card reflecting the new name;
- Picture Identification Card

Documents are copied by appropriate University personnel and returned to the student. A clear readable copy of the documentation may be mailed to the University Registrar's Office by the student. Faxed copies are acceptable as long as the picture ID is clear. The Name and Social Security Number Change Request Form is available in the University Registrar's Office or online at <http://registrar.nsula.edu/appeal-request-forms/>.

# STUDENT LIFE/SERVICES

## Fees and Expenses

Information regarding student billing and payment procedures can be found on the Business Affairs-Student Accounting and Cashiering webpage at <https://nsula.edu/student-accounting-cashiering/>. Inquiries can be emailed to [studentaccounting@nsula.edu](mailto:studentaccounting@nsula.edu). All fees and charges are subject to change without notice.

The University issues monthly electronic bill statements (e-bills). Current and historical e-bills can be viewed and printed online 24/7 through the student's VIC account.

## Payment of Registration Fees

All fees and charges assessed by the University in connection with registration are due in full by the seventh class day. Students who have been billed and have not paid in full their cost of attending the University by the seventh class day will be automatically assigned an installment plan and will be assessed the published per semester/session non-refundable Installment Plan Charge. There is a \$50 Electronic Learning Course Fee assessed for each Internet class a student takes.

## Tuition Reciprocity

Students who reside in the following Texas counties can receive an out-of-state fee waiver: Cass, Harrison, Jefferson, Marion, Newton, Orange, Panola, Sabine and Shelby. For further assistance, please contact the Office of Scholarships, Student Services Center, Northwestern State University, Natchitoches, LA. 71497. Telephone: 318-357-5685.

## Installment Plan Policy and Charges

Students who have been billed and have not paid in full their cost of attending the University by the seventh class day will be automatically assigned the Installment Plan and assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge. Students assigned the Installment Plan may pay certain fees, room charges, meal charges, etc., in installments as allowed by the Installment Plan Policy.

Students who pay their full balance by the seventh class day but later increase registration fees, room charges, meal charges, etc., after this date, or whose financial aid is reduced and do not pay the increase in full by the BILL DUE DATE will be automatically assigned the Installment Plan and be assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge.

## Late Payment Charges

Any student who does not pay the "Installment Amount" or "Total Amount Due" by each bill due date will be assessed the published per billing cycle NON-REFUNDABLE Late Payment Charge within the semester or summer session that the charges occurred. All accounts must be paid in full by the last day of the semester or summer session. Accounts not paid by the last day of the semester or summer session will be referred to the University's contracted collection agency and major credit bureaus. A HOLD will be placed on registration process until the account is paid in full.

## Installment Plan Payment Schedule

Any student automatically assigned the Installment Plan, per the Installment Plan Policy, may pay certain deferrable charges in installments as follows:

### Fall and Spring Semesters:

#### **Three (3) Installments**

- 1/3 Due – Approximately one (1) month after the first day of classes.
- 1/3 Due – Approximately two (2) months after the first day of classes.
- 1/3 Due – Approximately three (3) months after the first day of classes.

### Summer Semester:

#### **Two (2) Installments**

- 1/2 Due – Approximately four (4) weeks after the first day of classes.
- 1/2 Due – Approximately eight (8) weeks after the first day of classes.

Payments may be made by cash, check or money order made payable to Northwestern State University or by MasterCard, Visa or American Express. E-Check payment is also available online. Student accounts/balances can be viewed and e-check and credit card payments made by accessing VIC at <https://vic.nsula.edu>. For mail-in payment instructions, consult the Registration Information for the semester of planned enrollment.

## Late Registration Fees

The Academic Calendar for each semester and summer session is available online at <http://registrar.nsula.edu/academic-calendars/>. This calendar will provide dates for registration for classes. Any student who fails to complete the registration process during regular registration will be assessed a \$60 NON-REFUNDABLE Late Registration Charge.

## Registration Access Committee

1. Students may appeal installment plan charges, late registration charges, or late payment charges by completing a Registration Access Installment/Late Charge Appeal form. The form is available online at <http://onecard.nsula.edu/>.
2. Students must complete and return the form to the Auxiliary Services Office, 140 Central Avenue, Suite 102, New Fine Arts, Northwestern State University, Natchitoches, LA. 71497 or fax to: 318-357-6586 or email to [auxiliaryservices@nsula.edu](mailto:auxiliaryservices@nsula.edu) with appropriate supporting documentation attached.
3. Only a completed form with the proper documentation attached will be considered by the Committee. The Committee's decision will be final.



## Previous Balance Policy

### Registrations Cancellation for a Previous Balance of more than \$1,000

A student who has registered and owes a financial balance of **more than \$1,000** from a previous semester must pay the previous balance to \$1,000 or less in order to attend classes. If a student has a financial balance of more than \$1,000 that is not paid to \$1,000 or less, registration will be cancelled prior to the first day of classes, unless an exception has been approved.

### Registration Cancellation or Registration with a Previous Balance of more than \$1,000 Exceptions

A student who has registered or who wants to register but owes a financial balance of more than \$1,000 from a previous semester and who, meets one of the exception criteria, may complete the Registration Exception Application to avoid early registration cancellation or to register owing a previous balance of more than \$1,000. Additionally, installment plan charges, late registration, and late payment charges will all be assessed, and collection agency reporting will be completed, all in accordance with University Policy.

### Very Important Notes

Financial Aid cannot be used to pay a balance from a previous award year. Students with financial aid greater than current award year charges will receive a balance check. These students are encouraged to pay any previous balance upon receipt of any refund as part of their payment plan documented in their exception plan. Failure to do so may result in future exception being denied.

### Exceptions

A student who has registered or who wants to register but owes a financial balance of more than \$1,000 from a previous semester **may qualify for an exception** if:

- I have pending financial aid that will lower my previous semester balance to below \$1,000\* My balance does not exceed \$1,500 and I have paid at least \$300 within the last month of my application date.
- My balance does not exceed \$4,000 and I am actively on a payment plan with ECSI. I also qualify for financial aid for the semester I am attempting to register for.
- I am being reimbursed by my employer for my previous balance (please provide documentation).
- You **MUST** have a valid FAFSA on file in order to receive an approved exception, unless you are an international student.
- Balances with the Attorney General's Office must also be paid in full.

Registration Exception Application form is available in the Student Accounting Office, or online at <http://nsula.edu/student-accounting-cashiering>.

## Health Services/Student Insurance

The Student Health Services Clinic at Northwestern State University provides nursing assessments, treatment, health education, and referral to appropriate services including the university contracted physicians and the Natchitoches Regional Medical Center (NRMC) Walk-in Clinic. Students' personal insurance will be billed for any services provided outside of the Health Services Clinic. This may include any prescription medication, diagnostic tests, and provider fees.

Co pays will be waived for all eligible students utilizing the NRMC Walk-in Clinic. Eligible students, include those taking one or more hours on the Natchitoches campus and those living on campus but taking all internet courses, will be assessed the Student Health Services fee. The Health Services fee is mandatory, and there is no exemption process except for students with Senior Citizen Exemptions and VA Chapter 31. The Health Services fee is not an insurance policy.

**Northwestern State University does not offer Student Health Insurance.** However, all international students on the Natchitoches and Shreveport campuses will be assessed a mandatory fee for Student Insurance.

Some students may be able to continue their parents' insurance with proof of status as a full-time student as well as obtain other coverage through the federal exchange at <https://www.healthcare.gov/>. Any International student who is covered by other insurance who does not want the school sponsored plan may request a refund by submitting the appropriate exemption form along with a copy of their insurance card to the office of the director of the International Resource Center. Exemptions are only granted during the first two weeks of class each semester.

## Housing and Living Accommodations

Residence Life/Campus Living Villages offers a variety of accommodations and price points to students for on-campus residency. Information is available online at [www.nsula.edu/campushousing](http://www.nsula.edu/campushousing). Questions about housing should be addressed to Housing and Residence life at [housing@nsula.edu](mailto:housing@nsula.edu) or by telephone (318) 214-5400.

Northwestern State University abides by the University of Louisiana System's on Campus Housing Policy that states the following:

"All unmarried, full-time, undergraduate students are required to live in on-campus residence halls as long as space is available unless exempted by the institution for good and reasonable cause such as:

1. in any case where it appears that a full-time undergraduate student will otherwise suffer significant hardship or because of sufficient financial, medical, or other good and sound reasons shown;
2. in the case of non-traditional students as, for example, (a) a returning military veteran; (b) a previously married person where proper officials make a finding of fact that such individual is by virtue of age and experience incompatible with the educational objectives and values sought to be provided by on-campus residence here-in outlined; or
3. undergraduate students living with parents, grandparents, a married brother, or sister, or in institutionally recognized sorority or fraternity housing."

Any student who meets the above criteria can submit the application for Off-Campus Residency with appropriate documentation to the Auxiliary Services Office at 310 Sam Sibley, Caspari Hall Rm 116, Natchitoches, LA 714597. This exemption application can be found on the One Card's website under forms at: <https://www.nsula.edu/onecard/>

Signing an off-campus lease agreement or purchasing a home prior to being granted approval does not exempt students from this housing policy, nor does an approved exemption from Northwestern State University release you from your lease agreement with University Housing, which is managed by Campus Living Villages.

### Career Services

Career Services maintains confidential records of Handshake for students who register with the office for career services. Students who register with Handshake can opt in to making their Handshake profile public to release credentials to prospective employers. Students may opt-out of public profiles on Handshake at any time, and upon graduation, a student or alumni can request the Career Center to terminate their Handshake account. All paper documents (resumes, cover letters, student applications) reviewed in person by the Career Center are immediately released back to the student or destroyed.

### Counseling

The mission of Counseling is to serve as an agent of change for student's personal and professional growth by aiding students in developing, evaluating, and effectively implementing a life plan. To this end, Counseling Services provides confidential services, covered through your Student Health fees, in the areas of mental health counseling, crisis intervention, outreach, and career counseling. Career Services focus on assisting students with off-campus part-time employment and preparation for employment after graduation to NSU students. These services are delivered by a variety of programs including career planning, career counseling, placement services, and part-time job location and development (JLD). All services are located in Rooms 305 and 156, Friedman Student Union Building. Additionally, Counseling and Career Services serves as an internship training site for master's level students enrolled in the Clinical Mental Health Counseling and Clinical Psychology graduate programs.

### Security Procedures

Northwestern State University Police Officers are commissioned by the Louisiana Department of Public Safety. Section 1805 of Title 17 of the Louisiana Revised Statutes holds these officers responsible for maintaining general order and extends to them the powers of arrest. The NSU Police Department currently employs twenty-three full-time police officers. All full-time police officers are required to complete a "Basic Law Enforcement Training Course" certified by the Council on Peace Officers Standards and Training.

The Executive Director of University Affairs is responsible for Security and University Police Services. The NSU Police respond to all calls for assistance giving priority to medical emergencies, fire alarms, or a crime in progress. To place a call for assistance, call the NSU Police Department at 357- 5431.

### Student Conduct

The governance of students enrolled at Northwestern State University is primarily overseen by the University President, as delegated by the University of Louisiana System Board of Supervisors. This authority is further passed down to the Vice President for The Student Experience and Dean of Students

(VPSE & DoS), who is responsible for administering the University's Code of conduct. If informal disciplinary issues remain unresolved at the Accountability Conference level, they may be referred to the dean for resolution. In cases where formal disciplinary issues are not settled at the Accountability Hearing, they may be taken up and resolved by the Appeals Committee. The appellate process marks the final step in the Accountability Process. Students are expected to consistently

uphold the University's prescribed standards of conduct. Detailed disciplinary due process procedures and the Northwestern State University Code of Conduct can be found in the Northwestern Student Handbook.

### Student Identification

Members of the NSU campus community must be prepared to display a Northwestern State University identification card upon proper request of a duly designated authority.

### Access to and Utilization of Non-Academic Educational Records (Family Educational Rights and Privacy Act)

The Student Experience adheres to FERPA Regulations described under Academic Regulations in this publication for the release of student records. The types of non-academic educational records maintained on students at NSU are as follows:

1. **The Office of Accountability and Student Conduct** maintain the following records including, disciplinary records, miscellaneous administrative records, Student Government Association Loans, and Student Life/Services records related to access to and utilization of non-academic educational records (Family Educational Rights and Privacy Act).

Records of disciplinary actions taken by the University against students are maintained for internal purposes and information relating thereto will be released to inquirers only with written authorization of students concerned. When sanctions/outcomes are imposed that limit a student's behavior, the University retains the right to notify parties involved in monitoring said behavior. When educational sanctions/outcomes that involve third parties are imposed, the University reserves the right to notify such parties.

In cases of alcohol and drug abuse, the University may notify parents or guardians. In life-threatening situations, the University may contact parents, guardians, or others who may be directly involved in maintaining a safe environment for the student and the University Community. Under limited conditions (violent crimes and non-forcible sexual offenses), information on the outcome of judicial proceedings may be released to victims upon written request.

A copy of the outcome of the disciplinary process may be mailed to the permanent home address of the students involved. The student can review these records in the Office of Accountability and Student Conduct office. Only authorized University Officials or individuals authorized by the student have access to written records. Disciplinary records remain active for the duration of a student's enrollment and when a disciplinary issue is unresolved, and a hold remains on the record. Limited data regarding disciplinary holds and sanctions/outcomes is retained in the Northwestern State University computer system. This information is viewed by University staff, as approved by the University Registrar, on a need-to-know basis. Electronic records are permanent.

When students are suspended or permanently dismissed (expelled) from the University, such information will be noted on the student's academic transcript. A student who is permanently dismissed for disciplinary reasons will receive a notation on the academic transcript stating, "student is ineligible to enroll". A student who is suspended for disciplinary reasons will receive a notation on the academic transcript stating, "student is eligible to return (semester) (year)". Northwestern State University will request a disciplinary report from the home institution of transferred students. Only students eligible to return to their home institutions will be admitted.

2. **Student Health Services.** Students are encouraged to furnish medical information which includes current and past medical history. Records are kept on medical problems reported by the student and on treatment procedures. Only University physicians, nurses, Health Services staff, and the immediate supervisor to Health Services staff have access to these records. The information in medical records contains personal health information regulated by state and federal laws (FERPA) and (HIPAA) for protection of the privacy of students.
3. **Financial Aid Office.** All students who are receiving grants, scholarships, and/or loans from state and federal sources, or who are student workers and receive some financial assistance through the University have records in this office. The student can review all his or her records.
4. **Residence Life/Campus Living Villages (CLV).** CLV has access to records of students who resided in housing under its management. Records maintained by CLV are destroyed seven years from the last semester that a student resides on campus.
5. **Counseling and Career Services.** Career Services maintains confidential records on students who register with the office for career services. Students who register with the office must authorize Career Services to release credentials files to prospective employers. Students may view the complete file (resume, letter of reference, and transcript) unless this right has been waived. The right to view references may be reinstated only through written approval from the reference. Placement files are made inactive or destroyed after the director feels that the student may no longer be adequately served by the center.

*Counseling:* All records are strictly confidential and are secured. Records may only be released to other professionals with written consent from clients. The counselor may release information when a client poses danger to herself/himself or others or in some cases, when subpoenaed by a court of law. Students may read and review their records upon request. Inactive counseling records are maintained for seven years after which time they are destroyed.

## Appeal

NSU shall provide each student an opportunity for a hearing to challenge the contents of the student's educational records to ensure that the records are not inaccurate, misleading, or otherwise in violation of privacy or other rights of students, and to provide an opportunity for the correction or deletion of any inaccurate, misleading, or otherwise inappropriate data contained therein. The University will attempt to settle disputes with students regarding the content of the student's educational records through informal meetings and discussions. When these informal means are not satisfactory to the student or the University, more formal proceedings will be conducted. On the written request of the student to the University concerning the inaccuracy of material contained in the student's record, a board composed of the Dean of Students, a representative of the Faculty Senate, the appropriate dean, a representative of the heads of academic departments, and a representative of the Student Government Association will hear the complaints and make a recommendation to the President of the University. Hearings shall be conducted within five working days following receipt of the request for the hearing. If any member of the hearing board is involved in the case in question, the President of the University will select an individual who does not have a direct interest in the outcome of the hearing. The student or the University is to be afforded a full and fair opportunity to present evidence relevant to the issue raised. The recommendation shall be rendered in writing to the President of the University for consideration, and the recommendation will be communicated to the parties involved within ten working days after the conclusion of the hearing.

If the recommendations are unsatisfactory to the student, the student may place with the educational records statements commenting on the information in the records, or statements setting forth any reasons for disagreeing with the decisions of the hearing panel. The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed.

## Student Engagement

The **Office of Student Activities and Leadership Development** recognizes that while academic success is a primary focus for students, college life encompasses much more than just coursework, assignments, and exams. Northwestern State University is home to a diverse student body, each with unique interests and backgrounds. Our mission is to support students in customizing and enriching their educational experience through a wide array of activities that align with their personal and professional goals. Whether your interests are intellectual, recreational, service-oriented, social, or spiritual, NSU offers a space for you to engage and grow. Participation in over 100 student organizations provides valuable opportunities to develop leadership, interpersonal skills, and to build lasting connections. The Office of Student Activities and Leadership Development is dedicated to offering programs and services that foster the social, physical, intellectual, and cultural development of all students, ensuring a holistic and fulfilling collegiate experience.

The **Office of First Year Experience** serves as a cornerstone for every new student's journey at NSU. By connecting students with a network of faculty, staff, peers, and a wide range of programs and resources, we lay a solid foundation for academic achievement and personal development. Our First Year Experience program is specifically designed to help students transition seamlessly into college life, ensuring that they have the support and guidance necessary to thrive both inside and outside the classroom. Our first-year programs are tailored to support your academic and social success, and to actively participate in your journey here at NSU.

The **Office of Greek Life** is built upon the premise that Greek organizations enhance the educational mission of the University and provide a range of opportunities for meaningful involvement and growth. Furthermore, the University believes that Greek organizations are committed to instilling in its members ideas of scholarship, service, leadership, brotherhood and sisterhood, personal integrity, and social development.

The **Friedman Student Union** is the center of campus life at Northwestern State, serving as a dynamic hub for student engagement and community connection. Throughout the year, recognized student organizations, university departments, and community partners host a wide range of programs and events, including meetings, workshops, service initiatives, conference, leadership development opportunities, social events, and speakers.

Designed to enhance the student experience and support co-curricular learning, the Student Union advances the University's educational mission by fostering involvement, collaboration, and personal growth.

Housed within the Friedman Student Union are key offices and resources dedicated to student success and well-being, including the Counseling Center, Career Services and Job Location and Development, Accountability and Student Conduct, the Gail Metoyer Jones Center, Climate and Culture, Student Activities and Organizations, Demons for Recovery Lounge, Dining Services, Student Affairs, Student Government Association, University Programming Council, and Title IX Compliance. Together, these services create a welcoming and supportive environment where students can connect, lead, and thrive.

The **Wellness Recreation Activity Center (WRAC)** is committed to offering a wide variety of opportunities that promote an active, healthy lifestyle. The WRAC offers over 90,000 square feet of strength, fitness, and cardio equipment, a group exercise room, racquetball courts, basketball courts, pickleball courts, a fitness assessment lab, an indoor walking track, a massage therapy room, and several other amenities.

Wellness programs provide a variety of group exercise classes, seminars, speakers, and a state-of-the-art fitness assessment lab with personal training. The WRAC also oversees an 18-hole disc golf course. This course offers disc golfers of all levels, from beginner to advanced, to network, hone their skills, and engage in competitive play.

The **Intramural Sports program** provides competitive and recreational activity programs which meet the needs of students, faculty, and staff at NSU. Intramural Sports allow students the opportunity for decision making and leadership roles as officials, student supervisors, team captains, participants, council members and other capacities. The area provides opportunities for wholesome social relationships through group and individual interaction, and to develop desirable attitudes, good sportsmanship, and a high standard of cooperation among students. Northwestern State Intramurals offers more than 30 traditional and non-traditional sports.

**Club Sports** are registered student organizations formed by a group of students that share interests in a specific sport or physical activity. Their purpose is to encourage participation and engage its members in competitive, extramural sports.

These sports can be competitive or recreational. Each Club Sport is founded, organized, managed, and maintained by student leaders. Club Sports provides opportunities for students to develop leadership, management, and organizational skills, as well as competition, physical activity, and social well-being for all participants. Northwestern State University Club Sports are student organizations designed to serve student interest in different sports at the non-varsity level. These clubs can compete with other clubs and organizations of other colleges and universities.

**E-Sports** is another venue to engage students outside of the classroom. The Department of Wellness and Recreation provides programming and entertainment for the occasional, competitive, or world-class gamer. Located in the WRAC, our 1000 square foot gaming, tournament, streaming, and viewing E-Sports lounge is available daily to all NSU students. It is a way to celebrate the diversity of interests on campus by turning an often-isolating activity into a social experience for our students.

The **Robert W. Wilson Recreation Complex** is located on Highway One Bypass across from NSU. The complex is a unique facility in that Northwestern State is the only university in Louisiana with a "student country club." Northwestern Hills is a beautifully maintained eighteen-hole golf course. The complex also offers four tennis courts, an Olympic-sized swimming pool, driving range, putting green, chipping green, and a pro shop. The NSU recreational complex pavilion offers the perfect setting for meetings and parties and can accommodate up to 125 people. The Recreational Complex is open to the public and offers everyone the opportunity to enjoy outdoor activities at a reasonable price.

### Intercollegiate Athletics

Northwestern State University sponsors intercollegiate programs at the Division I level for both men and women. In order to participate in the varsity athletic programs and receive athletically related aid, a student must conform to the applicable rules of the National Collegiate Athletic Association (NCAA) and the Southland Conference (SLC). In addition, the student-athlete must demonstrate good academic standing by being enrolled in 12 or more hours and demonstrate satisfactory progress by fulfilling the requirements of NCAA By-law Article 14, as stated in the NCAA manual. For information regarding participation, call NSU Compliance at 318-357-4154.

Northwestern sponsors the following sports: Men—cross country, indoor and outdoor track; football; baseball; basketball; Women—cross country, indoor and outdoor track; volleyball; softball; basketball; tennis; soccer.

### Athletic Department Mission Statement

Northwestern State University is committed to providing a multi-sport intercollegiate athletic experience for male and female students. Additionally, NSU is committed to assuring that women and minorities will be afforded the opportunities given to all staff and student-athletes. Just as the University strives for excellence academically, it will also reach for excellence in the Southland Conference and at the national level through NCAA Division I championships.

The success of the athletic program is not only measured by competitive standings but also by the achievement of student-athletes. All student-athletes are expected to meet entrance and academic standards set by the NCAA, the Southland Conference and the University. The ultimate goal of the program is to provide an opportunity for student-athletes to earn a degree, enter their chosen career field and have a positive impact on the lives of those they associate with on a personal and professional level. While striving for competitive success, those representing the NSU athletic department must also demonstrate a high level of sportsmanship towards opponents, fans and officials and maintain a positive attitude, which places the “spirit of competition” at the forefront of their words and actions regardless of the outcome of the contest. In addition, those representing NSU Athletics must exhibit knowledge of, respect for and adherence to ethical principles which are outlined in Bylaw 10 of the NCAA Manual. Generating positive publicity for the University should be achieved without compromising these ethical principles, including adherence to policies related to illegal gambling, recruiting, and the use of illegal drugs.

### **Accessibility and Disability Services**

The Office of Accessibility and Disability Support (OADS) is committed to making students with disabilities full participants in university programs, services, and activities through its compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. OADS coordinates services and accommodations for students with disabilities and serves as an information center concerning disability-related issues. OADS is committed to providing equal educational opportunities to students by minimizing the impact of functional limitations upon their academic and non-academic lives through providing reasonable accommodations to students registered with OADS. Appropriate accommodations are determined through the individual intake appointment by reviewing documentation submitted by a qualified and licensed professional, discussion with the student, and evaluating the essential requirements of a course or program. After the intake appointment, a student will have approved accommodations available for use at their discretion. Some reasonable accommodations include, but are not limited to: extending time limits on examinations, allowing lectures to be recorded when the disability impairs a student’s ability to take notes, and access to preferential seating. Provisions are also made for registration assistance, interpreters, and many other accommodations. For more information, call the Office of Accessibility and Disability Support at (318) 357-5460 or <https://www.nsula.edu/student-resources/office-of-accessibility-and-disability-support/>.

### **Academic Advising Services**

Academic Advising Services’ professional team of advisors works with departmental faculty advisors and academic departments to help NSU students achieve their academic and professional goals. This office is responsible for advising students in the following programs: exploratory/undecided, Associate and Bachelor of General Studies, Bachelor of Liberal Arts programs, and pre-clinical Associate and Bachelor of Science in Nursing for the Natchitoches campus. This team also serves as secondary advisors to other departments. Additionally, Academic Advising Services coordinates the University Studies 1000 curriculum, a required support course all entering freshman must complete.

# ELECTRONIC LEARNING AND GLOBAL ENGAGEMENT

100 South Hall  
318-357-6355  
elearning@nsula.edu

## Mission of the Office of Electronic Learning and Global Engagement

The mission of the Office of Electronic Learning and Global Engagement (ELGE) is to strive to be regionally responsive, nationally prominent, and internationally engaged. We are committed to creating and providing learning opportunities that respond to the constantly changing needs of corporations, organizations, and individuals. The unit's primary business is to design, develop, and deliver a variety of educational programs required to meet the learning needs of a diverse student learner. Through credit and non-credit courses, conferences, and institutes, individuals are provided the opportunity to continue their education. To meet this obligation to provide educational opportunities, it is the unit's continuing responsibility to identify and remove constraints of time and place that might burden learners and limit access. With fully accredited online degree programs from the associate through the doctorate levels, and a full array of support services, no student in need of an education should feel place or time bound.

NSU offers a variety of electronic credit courses, from a selection of courses offered via video conferencing to entire degree programs online. One goal of the Office of Electronic Learning and Global Engagement is to provide information and services to students involved in these electronic courses. Through Electronic Learning's web portal, "eNSU," students have access to help pages, links to admissions, registration, fee payment, and financial aid. ELGE works to provide the best possible electronic learning experience for students.

The non-credit program offers short courses and for those not interested in formal degree programs. The University also awards continuing education units (CEU's) through the non-credit program. National guidelines set forth in the Commission of Colleges' document C.E.U. Guidelines Criteria are followed.

Non-credit and credit training may be applied toward two- or four-year programs through prior learning assessment. For more information, visit the Office of Electronic Learning & Global Engagement at 100 South Hall, on the web at <https://www.nsula.edu/electronic-learning-global-engagement/> or call ELGE at (318) 357-6355.

# COLLEGE OF ARTS AND SCIENCES

310 Alost Hall  
318-357-4330  
coas@nsula.edu

**Dean:** Francene Lemoine, *Professor*  
*Dean Emeritus:* Sue W. Weaver

## Mission of the College of Arts and Sciences

*The College of Arts and Sciences provides a superior undergraduate education in the social and behavioral sciences, languages, communication, English, and the creative and performing arts. Faculty members in the College, educated in the finest universities both in the United States and abroad, are dedicated to teaching using traditional and non-traditional instructional methods, as well as modern information technologies. Additionally, the faculty members of the College seek to remain on the cutting edge of scholarship, research and artistic production as reflected in books and articles accepted by leading publishing houses and scholarly journals. Artistic efforts created by faculty in the College are presented at nationally respected galleries and performance centers. Additionally, the College includes the Louisiana Folklife Center, Creole Center and Aquaculture Center as part of its commitment to community service, research and preservation of Louisiana's precious resources.*

*Established in 1986 as the state's selective admission honors college of the liberal arts and sciences, the Louisiana Scholars' College offers a rigorous honors education grounded in the arts and sciences. Students and faculty establish individualized plans of study that include a common core curriculum and often a major in collaboration with other colleges in the University.*

## Schools/Departments/Division Within the College of Arts and Sciences

Louisiana Scholars' College

School of Science, Technology, Engineering, and Mathematics

Department of Biology and Microbiology

Department of Engineering Technology

Division of Mathematics

Department of Physical Science

Department of Veterinary Technology

Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts:

Department of Fine and Graphic Arts

Department of Music

Department of New Media, Journalism, and Communication Arts

Department of Theatre and Dance

School of Social Sciences and Applied Programs

Department of English, Languages, and Cultural Studies

## Degree Programs Available Through the College of Arts and Sciences

Associate Degree program in: Veterinary Technology

Associate of General Studies (see associated concentrations)

Associate of Science program in: Engineering Technology, with concentrations in: advanced manufacturing, electronics, and industrial

Bachelor of Arts programs in: Communication, with concentrations in: journalism, broadcast and digital media production, sports media, and strategic communication;

Criminal Justice, with concentration in: pre-law and paralegal studies; English, with concentrations in: creative writing, film studies, folklife-southern culture, literature, and professional writing; History; Liberal Arts, with concentrations in: archaeology, classical studies, creative and performing arts industry, cultural anthropology, fine and performing arts, foreign language, geography, humanities and social thought, international relations, philosophy, politics, and economics, and scientific inquiry

Bachelor of Fine Arts programs in: Dance; Fine and Graphic Arts, with concentrations in: craft, graphic communications interdisciplinary design, and studio art; Musical Theatre; Production and Design

Bachelor of General Studies (see associated concentrations)

Bachelor of Science programs in: Applied Microbiology, with concentrations in: environmental and applied microbiology, medical and health profession; Biology, with concentrations in: agribusiness, biomedical, clinical laboratory science, forensic investigation, general biology, wildlife biology and conservation, veterinary technology; Electronics Engineering Technology, with concentrations in: biomedical and electronics; Industrial Engineering Technology; Mathematics, with concentrations in: actuarial mathematics, applied mathematics, computer science, healthcare informatics, sport analytics; Physical Science, with a concentration in: biochemistry, chemistry; forensic laboratory science, physics; Theatre, with concentrations in: musical theatre performance, performance/directing; Unified Public Safety Administration, with concentrations in: emergency management administration, fire and emergency medical services administration, geo computation, law enforcement administration, nuclear surety management, and public facilities management

Bachelor of Music with concentrations in: music business, performance, and sacred music

Master of Arts programs in: Art; English, with concentrations in: composition and rhetoric, creative writing, folklife/southern culture, generalist, literature, and teaching English to speakers of other languages

Master of Science program in: Homeland Security

Master of Music with concentrations in: music education and performance

## Pre-professional Programs:

Pre-engineering

## Accreditation

The Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts programs are fully accredited by the National Association of Schools of Art, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; National Association of Schools of Theatre, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; and the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190. The baccalaureate degree in Biology, with a concentration in Veterinary Technology, and the associate degree in Veterinary Technology are accredited by the American Veterinary Medical Association, 1931 North Meacham Road, Suite 100, Schaumburg, IL, 60173.

The baccalaureate programs in Electronics Engineering Technology, and Industrial Engineering Technology are accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

## Bachelor of General Studies

Recognizing the value of special programs for individuals with unusual backgrounds and abilities, the University has established the General Studies Program leading to a Bachelor of General Studies degree. This program provides flexibility to allow the student's program to adapt to particular interests, background, time limitations, and ultimate career goals. It is especially appropriate for a mature person who has, as a result of various educational and work experiences, a clear focus and strong commitment to a particular course of study.

## Requirements for the Bachelor of General Studies Degree

All students must satisfy the following minimum general requirements:

1. The University core requirements.
2. A minimum of 120 semester hours of academic work is required.
3. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
4. Earn at least a "C" (2.0) graduation grade point average in all courses taken at NSU which are used to satisfy degree requirements.
5. At least a "C" (2.0) average in all hours in the "group of concentration."
6. Special requirements: Completion of an approved minor, 3 semester hours in a foreign language, 3 semester hours of multicultural electives, and 3 semester hours of computer electives.
7. A minimum of 30 hours of the 120 taken in courses numbered 3000 or above, and an additional 15 hours in courses numbered 4000 or above.
8. Eighteen hours earned in each of the following categories (54 hours total): (Categories may also include related Scholars' College courses as previously approved.)  
Arts and Communication: art, communication, dance, English, fine arts, foreign languages, music, theatre  
Computer and Natural Sciences: biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science  
Social Science: addiction studies, anthropology, criminal justice, economics, geography, history, philosophy, political science, psychology, social work, sociology, social studies, unified public safety administration
9. Students may apply toward the degree a maximum of 27 semester hours in courses offered in the School of Business.

## Curriculum for the Bachelor of General Studies (734)

| FIRST YEAR                                     | SEM.HRS. |
|------------------------------------------------|----------|
| Electives (1000-2000 level) <sup>3</sup> ..... | 5        |
| English 1010, 1020 .....                       | 6        |
| Fine Arts 1040 .....                           | 3        |
| History 1010 or 1020 or 2010 or 2020 .....     | 3        |
| Mathematics <sup>1</sup> .....                 | 3        |
| Natural Sciences <sup>1</sup> .....            | 6        |
| University Studies 1000 .....                  | 1        |
| Social/behavioral Science <sup>1</sup> .....   | 3        |
|                                                | 30       |

| SECOND YEAR                                  | SEM. HRS. |
|----------------------------------------------|-----------|
| Communication <sup>1</sup> .....             | 3         |
| English 2110 .....                           | 3         |
| Foreign Language <sup>5</sup> .....          | 3         |
| Mathematics <sup>1</sup> .....               | 3         |
| Multicultural course <sup>4</sup> .....      | 3         |
| Natural Sciences <sup>1</sup> .....          | 3         |
| Social/behavioral Science <sup>1</sup> ..... | 3         |
| Social Science category electives .....      | 9         |
|                                              | 30        |

| THIRD YEAR                                                          | SEM. HRS. |
|---------------------------------------------------------------------|-----------|
| Computer <sup>2</sup> .....                                         | 3         |
| Electives (1000-2000 level) <sup>3</sup> .....                      | 6         |
| Electives (3000-4000 level) <sup>3</sup> .....                      | 3         |
| Group of Concentration Electives (12 must be 3000-4000 level) ..... | 18        |
|                                                                     | 30        |

| FOURTH YEAR                                | SEM. HRS. |
|--------------------------------------------|-----------|
| Electives (3000-4000 level) .....          | 24        |
| Interdisciplinary Studies 4020, 4030 ..... | 6         |
|                                            | 30        |

Total Semester Hours for Degree ..... 120

### Footnotes:

- <sup>1</sup> Refer to University core requirements.
- <sup>2</sup> Select one of the following classes: BUAD 1800, CIS 1015, CIS 1030, CIS 1090, CIS 2000, CIS 3020, CIS 3100, ETEC 4810 or approved computer elective.
- <sup>3</sup> Electives must be chosen so as to complete an approved minor as defined by the department concerned.
- <sup>4</sup> Select one from the following courses: AS 4040, ANTH 1510, ANTH 2020, COMM 3020, CJ 3355, EDUC 2020, ENGL 3800, ENGL 3910, ENGL 4160, ENGL 4970, FREN 1020, GEOG 2020, HIST 3010, HIST 3300, HMT 4260, LATN 1020, PHIL 1020, PSYC 3050, PSYC 3060, SOWK 3090, SOC 4080, SPAN 1020, or approved multicultural course.
- <sup>5</sup> Select one from the following courses: AMSL 1010, FREN 1010, LATN 1010, SFRE 1810, SLTN 1810, SPAN 1010, SSPN 1810, or approved foreign language course.

## Groups of Concentration:

The Bachelor of General Studies degree has three traditional areas of concentration: Arts and Communication, Computer and Natural Sciences, and Social Science. In addition to the 54 required hours (18 in each of the three groups) an additional 18 hours must be taken in one of the three groups, making a total of 36 hours in one group, for a "group of concentration." 12 semester hours of upper-level courses in the "group of concentration" must be taken in residence at NSU.

**ARTS AND COMMUNICATION (734H):** art, communication, dance, English, fine arts, foreign languages, music, theatre

**COMPUTER AND NATURAL SCIENCES (734C):** biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science

**SOCIAL SCIENCE (734G):** addiction studies, anthropology, criminal justice, economics, education, educational psychology, geography, history, philosophy, political science, pre-law and paralegal studies, social work, special education, psychology, social studies, sociology, unified public safety administration

In lieu of the above three traditional areas of concentration, students may take the course of study prescribed in the academic concentrations outlined below.

## Additional Concentrations:

The College of Arts and Sciences also sponsors a General Studies degree with concentrations in 21<sup>st</sup> Century Organizational Learning and Professional Studies. The special requirements for these programs are given below.



### **21st CENTURY ORGANIZATIONAL LEARNING (734K):**

Adult Learning & Development 4000; Adult Learning & Development 4010; Adult Learning & Development 4030; Educational Psychology 2020; Educational Technology 4810; Educational Technology 4820; Educational Technology 4830.

**PROFESSIONAL STUDIES (734P):** Psychology 1010 or Sociology 1010; English 3230; Interdisciplinary Studies 3000; 19-28 hours of approved courses in minor area of study or individualized program of study; 6 hours of approved documented work experience credit; and 1-3 hours of advisor approved field experience courses.

**Prior Learning Credits in the Professional Studies Concentration:** Students in the Professional Studies concentration in the Bachelor of General Studies (BGS) must meet the established criteria for “adult learner” (i.e., have at least 60 semester credit hours or completed high school 3 or more years ago). In addition, these students must be eligible for at least 6 semester credit hours of prior work experience. A maximum of 30 hours credit from past occupational, educational and training experiences may be applied toward the Professional Studies concentration in General Studies. Students enrolled in the Professional Studies concentration may petition for the acceptance of Prior Learning Assessment (PLA) credit to be used to complete degree requirements. Credit for these learning experiences will be established by departmental evaluation using appropriate guidelines from Southern Association of Colleges and Schools and Council for Adult and Experiential Learning. General Studies students interested in developing a Prior Learning Assessment Portfolio should contact the College of Arts and Sciences.

### **Associate of General Studies**

Students seeking an Associate of General Studies degree will be assigned an advisor who will assist the student in completing an individualized program of study. All students must satisfy the following minimum general requirements:

1. A minimum of 60 semester hours of academic work.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Earn at least a “C” (2.0) average in all courses used to satisfy degree requirements.
4. Earn at least a “C” (2.0) average in all courses taken at NSU which are used to satisfy degree requirements.
5. English 1010 and 1020 (these courses may be used in satisfying the academic group requirements).
6. Three semester hours of mathematics selected from the University Core Requirements (these courses may be used in satisfying the academic group requirements).
7. Six semester hours of natural sciences in any biological or physical science (these courses may be used in satisfying the academic group requirements).
8. Six semester hours of social/behavioral science; (these courses may be used in satisfying the academic group requirements).
9. Three semester hours of Fine Arts 1040 and three semester hours of humanities selected from the University Core Requirements (these courses may be used in satisfying the academic group requirements).

10. University Studies 1000.

11. Thirty-two semester hours of enrichment electives selected from three of the academic groups listed below, of which, 18 semester hours must be in a group of concentration.

12. Students may apply toward the degree a maximum of 15 semester hours in courses offered in the School of Business.

### **Curriculum for the Associate of General Studies Degree (733)**

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| English 1010, 1020 .....                     | 6         |
| Enrichment Electives .....                   | 6         |
| Mathematics <sup>1</sup> .....               | 3         |
| Natural Sciences <sup>1</sup> .....          | 6         |
| University Studies 1000 .....                | 1         |
| Social/behavioral Science <sup>1</sup> ..... | 6         |
|                                              | 28        |

| SECOND YEAR                   | SEM. HRS. |
|-------------------------------|-----------|
| Concentration .....           | 18        |
| Enrichment Electives .....    | 8         |
| Fine Arts 1040 .....          | 3         |
| Humanities <sup>1</sup> ..... | 3         |
|                               | 32        |

Total Semester Hours for Degree ..... 60

Footnote:

<sup>1</sup> Refer to University core requirements.

### **Academic Enrichment Groups for the Associate of General Studies Degree**

**Applied Sciences:** allied health, aviation technology, aviation science, electronics engineering technology, child and family studies, industrial engineering technology, military science and leadership, nutrition, nursing, radiologic sciences

**Art:** art, communication, dance, English, fine arts, foreign languages, music, theatre

**Business:** accounting, business administration, finance, management, marketing, office administration

**Computer and Natural Sciences:** biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science

**Social/Behavioral Sciences:** addiction studies, anthropology, criminal justice, early childhood education, economics, education, educational psychology, geography, health and human performance, history, philosophy, political science, psychology, social studies, social work, sociology, special education, unified public safety administration

### **Associate of General Studies Concentrations:**

The College of Education and Human Development and the College of Nursing and School of Allied Health sponsor concentrations leading to the Associate of General Studies degree. The special requirements for these concentrations are given below. Interested students should contact the college concerned.

**ALLIED HEALTH (733S):** Allied Health 1020, 2200, 2400, 3000, 3900; transferred Allied Health electives – 9 hours; Communication 1010; Business Administration 1800; Health Education 1010; Nutrition 1030; Psychology 2050. Total 32 hours.

**CHILD AND FAMILY STUDIES (733T):** Child and Family Studies 2000, 2040, 2090, 3020, 3030, 3500, 3700; Nutrition 1070; Psychology 2050, 2450. Total: 30 hours.

**RADIOLOGIC SCIENCES (733R):** Biology 2250, 2251, 2260, 2261; Psychology 1010; Communication 1010; Allied Health 1020, 2200, 2400; Radiologic Sciences 3310, 3320, 3820, 3811, 3911, 4611. Total: 41 hours.

## Liberal Arts

**Liberal Arts Major Requirements:** Students seeking a degree in Liberal Arts, outside the Louisiana Scholars' College, must complete 62 hours within the 120 semester hour Liberal Arts curriculum, which include: 15 hours of courses at the 1000 and 2000 level, 21 hours of courses at the 3000 and 4000 level or from a concentration area, and 26 hours selected from a concentration area or from courses within the humanities and the social/behavioral sciences. These courses can include any of the following: Art; Dance; Education; Educational Psychology; Fine Arts; Music; Music Education; Theatre; Anthropology; Criminal Justice; Economics; Geography; History; Philosophy; Political Science; Pre-law and Paralegal Studies; Social Studies; Sociology; Special Education; Unified Public Safety Administration; Communication; English; any foreign language; Addiction Studies; Psychology; Social Work.

**Anthropology Minor Requirements:** (21 semester hours) Anthropology 2010, 2020, and 15 additional semester hours in Anthropology.

**Film Minor Requirements:** (18 semester hours) ART 3410; COMM 2440; ENGL 3500; and 9 hours from the following (or as approved by Film minor coordinators) ART 3810; ART 4030 (04); ART 4030 (09); ART 4610; ART 4810; COMM 2400; COMM 3260; COMM 3480; COMM 4240; COMM 4420; ENGL 3510; ENGL 3520; ENGL 3530; ENGL 3540; ENGL 3610; ENGL 4340; ENGL 4370; ENGL 4870; ENGL 4950 or SPAN 4950; ENGL 4960 or FREN 4960; ENGL 4970; MUS 3500; SPHI 3870; PSYC 4900.

**Foreign Language Minor Requirements:** (21 semester hours) 21 hours of a single foreign language (French, Spanish, Russian, Latin, Greek).

**Geography Minor Requirements:** (21 semester hours) Geography 1010, Geography 1020, and 15 additional hours in Geography, with at least 6 hours at the 3000 level or above.

**Global Studies Minor Requirements:** (19 semester hours) Global Studies 3000 or Global Studies 4000; 6 hours in a foreign language<sup>1</sup>; one of BUAD 3270, COMM 4310, FIN 4050, GEOG 2020, PSCI 2090, PSCI 4090, or PSCI 4390; and 9 hours of approved academic electives.<sup>2</sup>

<sup>1</sup> The 6 hours must be in the same language and from courses with the following prefixes: FORL, FREN, SFRE, SRUS, SSPN, and SPAN.

<sup>2</sup> Approved electives to be chosen from ANTH 2020; ANTH 3110; ANTH 4400; ART 3540; BUAD 3270; BUAD 4160; COMM 4310; EDUC 3390; ENGL 3850 (Subtitle: 07); ENGL 3910; ENGL 4340; FIN 4050; GEOG 2020; GEOG 3030; GEOG 3060; GEOG 3080; GEOG 3100; GLST 2999; GLST 3999; GLST 4999; HIST 3220; HIST 3300; HIST 4010; HIST 4110; HIST 4120; HIST 4430; HIST 4440; HIST 4470; HMT 3130; HMT 3140; HMT 3150; HMT 4260; MGT 4350; MUS 3040; MUS 4060; PHIL 1020; PSCI 2090; PSCI 4060; PSCI 4070; PSCI 4090; PSCI 4390; SART 3820; SENG 3860 (Subtitles: 01 and 02); SHIS 3710; SHIS 3840; SHIS 4820; SLSC 3810; SPHI 2850; SPHI 3820; THEA 4330; THEA 4370; THEA 4960.

### Available Concentrations:

**Archaeology (220M):** ANTH 2010, 2020, 3020, 3050, 3110, 4150, plus 12 additional hours from ANTH 3060, 4060, 4130, 4140, 4150, 4200, 4400, 4980/81 (subtitle 01), 4980/81 (subtitle 02), either ANTH 4100 or 4110.

**Creative and Performing Arts Industry (220L):** MUS 4400, MUS 4200, MUS 2990, COMM 2400, COMM 2440, COMM 4240, ENGL 3230, ART 2160, THEA 2310, THEA 2140.

**Cultural Anthropology (220N):** ANTH 2010, 2020, 3020, 3050, 3110, 4080, plus 12 additional hours from ANTH 3030, 3040, 4040, 4050, 4060, 4130, 4160, 4400.

**Geography (220J):** GEOG 1010, 1020, 2010, 2020 and 12 credits hours of electives selected from GEOG 2030, 2031, 3030, 3050, 3060, 3080, 4010, 4011, 4060, 4070, 4100.

**International Relations (220H):** PSCI 2010, 2090, 4010, 4060, 4070, 4080, 4090, 4390.

Students may also elect to complete a concentration area in Scientific Inquiry, Humanities and Social Thought, Fine and Performing Arts, or Foreign Language under this degree program. Requirements for these concentration areas are available through the Louisiana Scholars' College or the College of Arts and Sciences.

## Curriculum for Liberal Arts (220)

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Communication <sup>1</sup> .....             | 3         |
| English 1010, 1020 .....                     | 6         |
| Fine Arts 1040 .....                         | 3         |
| History, 1010, 1020, 2010, or 2020 .....     | 3         |
| Mathematics 1020 and 1060 .....              | 6         |
| Natural Sciences <sup>1</sup> .....          | 6         |
| Social/Behavioral Science <sup>1</sup> ..... | 3         |
| University Studies 1000 .....                | 1         |
|                                              | 31        |
| SECOND YEAR                                  | SEM. HRS. |
| Electives <sup>3</sup> .....                 | 15        |
| English 2110 .....                           | 3         |
| Foreign Language <sup>2</sup> .....          | 6         |
| Natural Sciences <sup>1</sup> .....          | 3         |
| Social/Behavioral Science <sup>1</sup> ..... | 3         |
|                                              | 30        |
| THIRD YEAR                                   | SEM. HRS. |
| Electives <sup>4,5</sup> .....               | 32        |
|                                              | 32        |
| FOURTH YEAR                                  | SEM. HRS. |
| Electives <sup>6</sup> .....                 | 21        |
| Interdisciplinary Studies 4020, 4030 .....   | 6         |
|                                              | 27        |
| Total Semester Hours for Degree .....        | 120       |

### Footnotes:

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> A total of six hours of the same foreign language (1010 and 1020) are required. Students may choose from one of the following areas: Spanish, French, Latin American Sign Language, or approved foreign language course.

<sup>3</sup> To be selected from the 1000 or 2000 level courses within the following areas: Art; Dance; Education; Educational Psychology; Fine Arts; Music; Music Education; Theatre; Anthropology; Criminal Justice; Economics; Geography; History; Philosophy; Political Science; Pre-law and Paralegal Studies; Social Studies; Sociology; Special Education; Unified Public Safety Administration; Communication; English; any foreign language; Addiction Studies; Psychology; Social Work.

<sup>4</sup> To be selected to satisfy a minor, or approved concentration area or from courses within the following areas: Art; Dance; Education; Educational Psychology; Fine Arts; Music; Music Education; Theatre; Anthropology; Criminal Justice; Economics; Geography; History; Philosophy; Political Science; Pre-law and Paralegal Studies; Social Studies; Sociology; Social Studies; Special Education; Unified Public Safety Administration; Communication; English; any foreign language; Addiction Studies; Psychology; Social Work.

<sup>5</sup> Students pursuing a minor or approved concentration that requires less than 32 hours, can take general academic electives for remaining hours.

<sup>6</sup> To be selected from upper-level (3000-4000 level) courses within the following areas: Art; Dance; Education; Educational Psychology; Fine Arts; Music; Music Education; Theatre; Anthropology; Criminal Justice; Economics; Geography; History; Philosophy; Political Science; Pre-law and Paralegal Studies; Social Studies; Sociology; Special Education; Unified Public Safety Administration; Communication; English; any foreign language; Addiction Studies; Psychology; Social Work.

# THE LOUISIANA SCHOLARS' COLLEGE

110 Morrison Hall  
318-357-4577  
scholars@nsula.edu

**Interim Director:** Keith Dromm, *Professor*

*Professors Emeritus:* Richard B. Jensen, Barnard F. Snowden

*Professors:* Cochran, Dromm, Keele, McClain, Muravitsky

*Associate Professors:* Forkner, Picht

*Assistant Professors:* Lobdell, Rast, Sissay

The Louisiana Scholars' College was established by the Louisiana Board of Regents in 1987 to serve as the state's selective-admissions honors college of the liberal arts and sciences. Its mission is to provide highly motivated students with a rigorous, customized honors education firmly grounded in the liberal arts and sciences. Students collaborate with one or more faculty to design individualized plans of study that build on a Common Curriculum. A student's plan may culminate in a Major in Liberal Arts with a Concentration in one of seven areas: Business, Technology, and Society; Classical Studies; Fine and Performing Arts; Foreign Languages; Humanities and Social Thought; Philosophy, Politics, and Economics; or Scientific Inquiry. Alternatively, the student may select to pursue a traditional Major offered in cooperation with the Colleges of Arts and Sciences, Business and Technology, and Education and Human Development. Each of these undergraduate curricula culminates in a senior thesis or project.

## Undergraduate Certificates (UC) offered through the Louisiana Scholars' College

Honors Critical and Analytical Thinking

Medical Humanities

Honors Professional Ethics

## I. THE COURSE OF STUDY

The academic experience in the Louisiana Scholars' College has three components: the **Common Curriculum** required of all students<sup>1</sup>; an individualized **Concentration** within the Major in Liberal Arts or a traditional **Major**; and a selection of **Academic Electives**.

### An Overview of the Curriculum

|                                                               | Total Credits |
|---------------------------------------------------------------|---------------|
| THE COMMON CURRICULUM .....                                   | 51            |
| THE MAJOR OR CONCENTRATION .....                              | 42-94         |
| ACADEMIC ELECTIVES<br>(varies by major or concentration)..... | 0-27          |
| TOTAL CREDITS FOR GRADUATION.....                             | 120-151       |

### A. THE COMMON CURRICULUM

The Common Curriculum is a comprehensive, integrated, four-year course of study undertaken by all students in the College. This series of courses replaces the University core curriculum and adds 8 hours of a foreign language and a 1 hour capstone course. No grade lower than a C may be used to satisfy Common Curriculum requirements.

|                                                           |    |
|-----------------------------------------------------------|----|
| SCTT 1810, 1820, 2810, 2820 Text and Traditions I-IV..... | 15 |
| ENGL 1010.....                                            | 3  |
| SCRT 181W Critical Reading, Critical Writing.....         | 3  |
| SBIO 1830-31, SECL 1910-11, or SECL 1920-21.....          | 4  |

|                                                                                                                                    |    |
|------------------------------------------------------------------------------------------------------------------------------------|----|
| SCHM 1840-41 or SPHY 1830-31.....                                                                                                  | 4  |
| A second course to complete a two-semester sequence<br>in either the life or physical science chosen above.....                    | 4  |
| SLSC 4900 .....                                                                                                                    | 1  |
| 2 of SMAT 1820, 1830, 2000, 2010, SSTA 3810.....                                                                                   | 6  |
| SFRE 1810 and 2810; SGRK 1810, 2810, and 2840;<br>SLTN 1810, 2810, and 2840; or SSPN 1810<br>and 2810; or SRUS 1810 and 2810 ..... | 8  |
| One from: EPSY 2020; PSYC 1010, 2050; or SSOT.....                                                                                 | 3  |
|                                                                                                                                    | 51 |

#### Footnote:

<sup>1</sup> Students pursuing the BSN, BSRS, and BME degrees complete only a portion of the Common Curriculum. See the curriculum layout for these degrees.

## B. THE CONCENTRATION OR MAJOR

Students in the Louisiana Scholars' College deepen their understanding of a specialized area of inquiry, while preparing for advanced study and careers in professions such as medicine, law, business, education, scientific research, public administration, and the foreign service. Depending on their interests, students may design a multidisciplinary or interdisciplinary course of study with a concentration within the major in Liberal Arts, a unique program which offers students a greater opportunity to develop an individualized degree program of enhanced academic rigor. Other students may choose a traditional major in a single discipline. Each option emphasizes the flexibility of mind, the breadth of experience, and the solid grounding in the liberal arts increasingly demanded by corporations and the professions. Students declare a major and begin to focus their academic program by the end of the sophomore year.

### Major in Liberal Arts

Within the Major in Liberal Arts, each of the concentrations — Classical Studies; Fine and Performing Arts; Foreign Languages; Humanities and Social Thought; Philosophy, Politics, and Economics; or Scientific Inquiry — requires that students complete at least 49 credits, including the thesis, from a list of approved courses in the appropriate disciplines. Although the design of the concentrations allows flexibility in the choice of courses, students are expected to work in close consultation with one or more faculty advisors to develop a coherent course of study.

Students concentrating in Classical Studies choose from courses in classics, Greek, Latin, as well as art, English, history, and philosophy. Students in the Fine and Performing Arts concentration focus their studies on the history and performance of the visual arts, music, dance, film, or theatre. Students in the Foreign Language concentration choose from courses in English, French, Greek, history, Latin, Russian and Spanish. Those concentrating in Humanities and Social Thought choose from courses in such disciplines as anthropology, classics, economics, history, foreign languages, literature, philosophy, political science, psychology, and sociology. Students in the Philosophy, Politics, and Economics concentration will select courses in economics, philosophy, and political science.

Those concentrating in Scientific Inquiry select from offerings in the life sciences, physical science, and mathematics and computer science. Approved courses for all concentrations are included in the concentration requirements in the following curricula. Students wishing to apply other courses towards their concentration requirements must petition the Director for approval.

Working with one or more faculty advisors, students will develop individualized curricula within the basic guidelines for the degree, subject to approval by the director. This academic plan should be multidisciplinary or interdisciplinary in nature, yet should have a clear focus, provide for both breadth and rigor, and prepare the student to complete the senior thesis or project. Academic plans which duplicate existing degrees will not be approved.

### **Traditional Majors**

In cooperation with the Colleges of Arts and Sciences, Business and Technology, and Education and Human Development, Scholars' College students may pursue a variety of traditional majors by undertaking specified advanced work in academic departments outside the Scholars' College. Majors in the following areas lead to the Bachelor of Arts degree: Communication, Criminal Justice, English, and History. The Bachelor of Fine Arts has concentrations in Craft, Graphic Communications, and Studio Art. Students interested in performance may complete the Bachelor of Music degree. The Bachelor of Music Education is also available with concentrations in Instrumental Music or Vocal Music. In addition, the following majors are available, leading to the Bachelor of Science degree: Accounting, Applied Microbiology, Biology, Business Administration, Computer Information Systems, Electronics Engineering Technology, Elementary Education Grades 1-5, Health and Exercise Science, Hospitality Management and Tourism, Industrial Engineering Technology, Mathematics, Physical Science, Psychology, Secondary Education and Teaching, Theatre, and Unified Public Safety Administration. A major in Social Work leads to the Bachelor of Social Work. Students who pursue one of these majors may have an advisor in the Scholars' College and an advisor in the major department to direct the student's work within the major. The required courses for Scholars' College students completing majors in other colleges are listed in the following curricula. All students must complete the Common Curriculum with no grade lower than a C, specific core choices and support courses required for individual majors, and academic electives. Students in all majors are required to complete a senior thesis in their area.

### **Bachelor of Science in Nursing and Bachelor of Science in Radiologic Sciences**

Students wishing to complete the Bachelor of Science in Nursing or the Bachelor of Science in Radiologic Sciences are not required to complete the Scholar's common curriculum in its entirety, the Louisiana Scholars' College capstone course, or a thesis. Detailed requirements are given in the curricula listed with the joint majors.

### **The Thesis**

The thesis project is the culmination of a student's academic work. Though theses vary in length and scope, each is to be a substantial work of scholarship, criticism, scientific research, or artistic execution. The thesis should demonstrate the student's familiarity with existing work in his or her field, together with the ability to define a significant topic or problem, carry out independent scholarly research, analyze evidence, and cogently sustain a complex written argument. Each student presents and defends his or her work to the College and the University community at large.

## **C. ACADEMIC ELECTIVES**

Many of the courses in the Common Curriculum, the Majors, and the Concentrations are electives chosen by the student in consultation with the advisor. The phrase "Academic Electives" refers to those credits, which vary from major to major, over which the student exercises control, subject to the expectation that these courses be part of a rigorous and coherent academic plan. Scholars' College electives include: any course offered by the College; courses used to complete a minor or a second major; additional courses in the major area of interest; performance or other courses in the arts (no more than 8 hours of ensembles may be counted towards graduation requirements); courses required for performance scholarships; HED 1010; and credits earned by international study. Some joint majors require electives within the discipline. The advisor and the Director must approve other electives.

## **D. OPPORTUNITIES FOR STUDY ABROAD AND AWAY**

Through Northwestern International Students Resource Office, the International Student Exchange Program (ISEP), The Council for the Development of French in Louisiana (CODOFIL), and the Interuniversity Mission for the Coordination of Franco-American Exchanges (MICEFA), undergraduates in the College are eligible to take part in a wide variety of foreign study programs in over 50 countries. Most recently, Scholars' College students have studied at universities in Austria, Estonia, France, Japan, south Korea, and Spain. In addition, students can study in another part of the United States through the National Student Exchange (NSE).

## **II. ACADEMIC ADVISING**

The flexibility and individualized nature of the College curriculum and the high degree of autonomy exercised by students in shaping their academic programs makes the advising process especially important. All students are assigned an advisor within the College, with additional advisors from the College or University assigned as warranted by the students' interests. Those electing to pursue a major other than Liberal Arts may be assigned an advisor in the major department, in addition to their Scholars' College advisor, to direct the work within the major. Each student's progress is subject to periodic review by faculty advisory groups, as well as by the Director of the College. All students must consult their Scholars' College advisor prior to registering for the fall or spring semester.

## **III. THE HONOR CODE**

The community of students, faculty, and staff of the Louisiana Scholars' College trusts that its members will act honorably in every endeavor. The College's Honor Code promotes individual and communal responsibility and directly involves all of us in maintaining our academic community. This Code represents a voluntary and internal standard, separate from state and University regulations, for encouraging the highest level of individual respect and ethical behavior.

## **IV. GRADUATION REQUIREMENTS AND HONORS**

Students who satisfactorily complete the Common Curriculum with no grade lower than a "C", their major or concentration requirements, their other senior course work, and their theses while earning a cumulative grade point average of 3.0 or higher, are awarded the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, or Bachelor of Social Work

degrees in the Louisiana Scholars' College at Northwestern State University. The major, concentration, and thesis title are recorded on each graduate's transcript. Those whose academic record and thesis reflect unusually high intellectual accomplishment and who have been active in the life of the College and University are chosen each year by the faculty to be awarded degrees "with distinction" or "with highest distinction." Scholars' College students are also eligible to receive the scholastic honors cum laude, magna cum laude, and summa cum laude from the University.

## V. ADMISSION

The College seeks highly motivated students interested in an exciting liberal arts education. Candidates begin by submitting the College's application for admissions and scholarships, together with teacher or guidance counselor recommendations, and a personal statement. A campus visit is strongly encouraged. Requirements include:

1. ACT composite of at least 25 or SAT composite of at least 1200; and
2. no ACT subscore below 20 or no SAT subscore below 500; and
3. unweighted high school grade point average in the Regents' Curriculum of at least 3.3 on a 4.0 scale; and
4. satisfactory evaluation by the Scholars' College Admissions Committee of strength of high school program, recommendations, personal statement, honors, and activities.

Students who do not meet one of the criteria above may be considered for provisional admission for one semester, after which their performance will be reevaluated and admission to the College either offered or denied. Admission decisions are made on a rolling basis as applicants' files are completed, until the entering class is filled. Students are encouraged to complete their applications by December 1 to meet scholarship priority deadlines, although later applications are welcome. For further information, contact the College or the Office of University Recruiting at Northwestern State University.

## VI. COURSE CREDIT

Students who have prior credit for ENGL 1020 or an ACT English score of 31 or higher, and who have completed a Scholars' 2000+ level writing course (approved by the students' advisor), will receive credit for SCRT 181W.

Students who have certain Dual Enrollment, AP, CLEP, IB, or ACT transfer credit will be entitled to enroll in a 3000-level version of Texts and Traditions.<sup>1</sup> Credit for the lower-level Texts and Traditions course will be awarded upon completion of the corresponding 3000-level course. The credit hours of these transfer courses will determine placement according to the following schedule:

- 6 credit hours = enrollment in SCTT 3220 and credit for SCTT 2820<sup>2</sup>
- 9 credit hours = enrollment in SCTT 3210, 3220 and credit for SCTT 2810<sup>3</sup>, 2820<sup>2</sup>
- 12 credit hours = enrollment in SCTT 3120, 3210, 3220 and credit for SCTT 1820<sup>4</sup>, 2810<sup>3</sup>, 2820<sup>2</sup>

### Footnotes:

1 These courses are GEOG 1010, 1020, ANTH 1510, 2020, ECON 2000, PSCI 2010, FA 1040, HIST 1010, 1020, 2010, or 2020, ENGL 2070, 2110, COMM 1010, 2500, BUAD 2200, and PHIL 1010.

2 Credit awarded upon completion of SCTT 3220 with a grade of "C" or better.

3 Credit awarded upon completion of SCTT 3210 with a grade of "C" or better.

4 Credit awarded upon completion of SCTT 3120 with a grade of "C" or better.

## VII. SCHOLARSHIPS, WORK-ASSISTANTSHIPS, AND FINANCIAL AID

The College's Application for Admission serves as an application for all academic scholarships the University offers, including the prestigious Louisiana Scholars' College Scholarship. Undergraduate work-assistantships are also available assisting in the library, in the computer center or scientific laboratories, in the office of the College, or in some other area of interest to the student. In addition to academic awards, students in the College may qualify for Pell grants, PLUS loans, ROTC scholarships, and other forms of financial assistance. Students who are not Louisiana residents may qualify for out-of-state fee waivers.

### Liberal Arts (820)

To better distinguish this major from professional discipline areas (e.g., Criminal Justice, Communication, Social Work, Music/Dance/Theatre Performance), the following courses may not be applied towards concentration requirements for this degree: CIS 4220; DAN 3800, 4800; COMM 1980, 2440, 3430, 4420; MUS 3090, 3100, 4400; SOWK 3180, 4050, 4190, 4220; THEA 4250, 4360, and 4410.

**Liberal Arts Major Requirements:** For a major in Liberal Arts, students complete SOR 1010, the Scholars' College Common Curriculum and SLSC 4900 (52 hours); one of the College's concentrations (49-58 hours), and 10-19 hours of academic electives to bring the degree total to 120. Specific core requirements, where applicable, are noted in the 4-year curriculum of the concentration requirements.

### Available Concentrations:

**Concentration in Business, Technology, and Society (820I):** 57 hours—SLSC 4000, SBTS 480T, 482T; SPHI 3100<sup>1</sup>; SPHI 4200<sup>1</sup>; SSTA 3810; 3 hours of SECO courses at the 3000-level or above<sup>1</sup>; 39 hours of business and technology courses<sup>2</sup>, 18 hours of which must be at the 3000-level or higher; completion of a minor in at least one of Accounting, Business Administration, Computer Information Systems, Electronics Engineering Technology, Hospitality Management and Tourism, and Industrial Engineering Technology. Specific core requirements: SMAT 2000, 2010. 11 hours of academic electives.

### Footnotes:

<sup>1</sup> May be satisfied by 3 hours of SCTT at the 3000-level.

<sup>2</sup> Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 3031, 3100, 4010, 4011, HP 3320, 4300, 4400, 4410, 4430, SHIS 3730. No more than 29 hours of courses with the following prefixes may be taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG.

**Concentration in Classical Studies (820H):** 49 hours — SLSC 4000, SHUM 480T, 482T on a topic pertaining to classical studies (6 hours); SLTN 1810, 2810, 2840 (8 hours counted in core); SGRK 1810, 2810, 2840; 6 hours of SLTN at the 3000/4000 level<sup>1</sup>; 6 hours of SGRK at the 3000/4000 level<sup>1</sup>; 3 additional hours of SLTN or SGRK; 18 hours of concentration electives chosen from: ART 3520, SENG 3000, ENGL 3400, ENGL 4620; HIST 4140, 4150; SHIS 3880 (Augustus), SPHI 2000, 3710, 3880 (Plato, Aristotle), SART 3820, SCTT 3120, 3210, THEA 2360 or the prefixes SCLA SHST, SLTN, SGRK. 19 hours of academic electives, at least 9 hours of which must be from Scholars' College prefixes.

**Concentration in Fine and Performing Arts (820C):** 54 hours – SLSC 4000; SFPA 480T, 482T (6 hours); 6 hours from: studio art instruction (ART), performance instruction or performance ensembles (DAN or MUS), or THEA 2030, 2300, 2310, 2320<sup>2</sup>; 42 additional hours of fine and performing arts courses<sup>3</sup> of which 27 hours must be at the 3000 level or above, 27 hours must be in a single discipline, and at least 6 hours in a second fine and performing arts discipline<sup>4</sup>; 14 hours of academic electives. No more than 8 credit hours of ensembles may be counted towards the degree.

**Concentration in Foreign Languages (820D):** 52 hours – SLSC 4000, SHUM 480T, 482T on a topic pertaining to the target language (6 hours); 12 hours of the target language (SFRE, SLTN, SSPN) plus 12 hours of a second foreign language<sup>5,6</sup>; 30 additional hours of target electives from one of the below; 16 hours of academic electives.

**French** – (SFRE 1810, 2810, 2820); one of SHIS 3810, SHIS 3880 (French topic), HIST 3220, HIST 3250 or 3 hours of history of at least one country where French is spoken or SCTT 3220; SFRE 2840; 24 hours from SFRE 3810 or SFRE 3890.

**Spanish** – (SSPN 1810, 2810, 2820); 3 hours of history of at least one country where Spanish is spoken or SCTT 3220; SPAN 3060, 3070, 3100, 3110, 4210; SPAN 3080 or 3090; 9 hours from SSPN 3890.

**Humanities and Social Thought Concentration (820B):** 55 hours – SLSC 4000, SHUM 480T, 482T (6 hours); 4 additional hours of core language to bring total to 12; 45 hours of humanities or social science electives<sup>7</sup> (27 hours must be courses with Scholars' College prefixes; 36 hours must be at the 3000/4000 level), including one of (SART 3820; SECO 3840, 3850, 3860; SHIS 3700, 3710; SLSC 3800, 3810, 3820, 3830, or 4820; or SPHI 3910 [interdisciplinary]); and one of (SBIO 3880; SENG 3810, 3880; SHIS 3880; or SPHI 3880 [major figure]); 13 hours of academic electives (6 hours must be courses with Scholars' prefixes).

**Concentration in Philosophy, Politics and Economics (820G):** 57 hours – SLSC 4000, SHUM 480T, 482T (6 hours); PHIL 1010, 2030, SPHI 3850, or SCTT 3120, two of SPHI 3710, 3740, 3810, or 3840, 4 hours of courses with SPHI or PHIL prefix at the 3000 or 4000 level, PSCI 2010 or 2090, 12 hours of courses with the PSCI prefix at the 3000 or 4000<sup>9</sup> levels, SECO 2810, 12 hours of courses with the SECO prefix at the 3000 or 4000 level<sup>9</sup>, 4 hours of a foreign language (same as the language for the core), 1 hour of SPHI 3890, 11 hours of academic electives.

**Concentration in Scientific Inquiry (820A):** 58 hours – SLSC 4000, SSCI 480T, 482T (6 hours); 52 hours of science courses<sup>8</sup>, 25 hours of which must be at 3000 or above; 10 hours of academic electives. Specific core requirements: SMAT 2000 and SSTA 3810 (6 hours).

**Honors Interdisciplinary Studies and Problem-Solving Minor Requirements:** (18 semester hours) SLSC 3100, 8 hours of courses at the 3000-level or above with the SLSC or SCTT prefix; 9 hours of courses none of which can also fulfill core requirements from at least 2 different subject prefixes chosen from ANTH, BIOL, CHEM, COMM, CSC, DAN, ECON, ENGL, FA, FREN, GEOG, GEOL, HIST, LATN, MATH, PHIL, PHYS, PSCI, PSYC, SBIO, SCHM, SCLA, SCRT, SECL, SECO, SENG, SFRE, SGRK, SHIS, SHPS, SHST, SLSC 2000, SLTN, SMAT, SPAN, SPHI, SSOT, SCI, SOC, SPSC, SRUS, SSPN, SSTA, or STAT.

**Honors Liberal Arts Minor Requirements:** (24 semester hours) distributed as follows: at least 8 credit hours taken from courses with the prefixes: SBIO, SCHM, SECL, SHPS, SMAT, SPHY, SSCI, and SSTA and the course SLSC 4820; at least 8 credit hours taken from courses with the prefixes: SART, SCLA, SECO, SENG, SFPA, SFRE, SGRK, SHIS, SHST, SHUM, SLTN, SMHU, SPHI, SRUS, SSOT, SSPN and the courses SCTT 3120, 3210, 3220; SLSC 2000, 3800, 3810, 3830, 3840, 3850, 4000, 4240, 4820 or 4890; at least 4 credits in these 16 hours combined must be at the 3000-4000 level. An additional 8 hours must be taken at the 3000-4000 level from the previous prefixes and courses. No more than 6 hours taken at the 1000 level may be applied to the minor. Up to 6 hours may be taken outside the Scholars' College in equivalent disciplines: ANTH, ART, BIOL, CHEM, ECON, ENGL, FREN, HIST, HUM, MATH, PHIL, PHYS, SOC, and SPAN.

**Classics Minor Requirements:** (21 semester hours) At least 21 hours of Latin or Greek and classical studies, selected from courses with the prefixes: SCLA, SGRK, or SLTN, and the courses ART 3520; ENGL 3400, 4620; HIST 3090, 4140, 4150; SART 3820; SENG 3000; SHIS 3880 (subtitle 12-Augustus Caesar); SHST 3810; SPHI 3880 (subtitle 01- Plato, 02-Aristotle); THEA 2360.

**Philosophy Minor Requirements:** PHIL 1010; PHIL 2030 or SPHI 3850; two courses from SPHI 3710, 3740, 3810, or 3840; and five additional hours of philosophy with the PHIL or SPHI prefix. (19 hours).

**Philosophy, Politics, and Economics Minor Requirements:** PHIL 1010, 2030, or SPHI 3850; PSCI 2090; SECO 2810; and 9 hours of courses with the PHIL, SPHI, SECO, or PSCI prefixes at the 3000-4000 level. (19 hours).

#### Footnotes:

- 1 One course poetry and one course prose at the 3000-4000 level.
- 2 Chosen from ART 1060, 1070, 1350, 2000, 2060, 2120, 2130, 2140, 2270, 2290, 2340, 2350; DAN 1100, 1110, 1150, 1170, 1180, 1300, 1570, 1700, 2400, 2410, 2440, 2700; MUS 1010, 1020, 1040, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1700 1710; THEA 2030, 2300, 2310, 2320.
- 3 Chosen from courses with the prefix, ART, DAN, FA, MUS, THEA, SART, SMUS, and the courses ENGL 3400, 3500, 3510, 3520, 3530, 3540, 4170, 4190, 4340, 4400, 4710, 4870, 4970, 4980; PHIL 4030; PSYC 4900; SCTT 3120, 3210, SENG 3810; SHIS 3710, 3720; SPHI 3870.
- 4 Art, dance, film, music, photography, theatre.
- 5 Included in core requirements.
- 6 Open university students may substitute one of the following sequences: FREN 1010, 1020, 2010, 2020; or SPAN 1010, 1020, 2010, 2020.
- 7 University prefixes: ANTH, COMM, CJ, ECON, EPSY, ENGL, FREN, GEOG, GLST, HIST, HUM, PHIL, PSCI, PSYC, SST, SOWK, SOC, SPAN; THEA 2360, 3380, 4050, 4260, 4300, 4330, 4340, 4350, 4370, 4380; Scholars' College prefixes: SART, SCLA, SCTT, SECO, SENG, SFRE, SGRK, SHIS, SHPS, SHST, SHUM, SLSC, SLTN, SMHU, SPHI, SRUS, SSOT, SSPN.
- 8 Courses with prefixes SBIO, SCHM, SECL, SHPS, SMAT, SPHY, SSCI, SSTA, BIOL, CHEM, CIS, CSC, GEOL, MATH, PHYS, SCI, STAT, VTEC or the courses ANTH 3050, GEOG 2010, HP 3550, 3560-61. To include: a 2-course core sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy – MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000, SCTT 3220); and at least 3 hours from SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820. SSCI 3010 will not satisfy any requirements for the Scientific Inquiry (820A) concentration.
- 9 May include 4 hours of SCTT at the 3000-level.

### Curriculum for Concentration in Business, Technology, and Society (820I)

| FIRST YEAR                                  | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 1810, 1820.....                        | 7         |
| ENGL 1010.....                              | 3         |
| SCRT 181W.....                              | 3         |
| SMAT 2000, 2010.....                        | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> ..... | 4         |
| SOR 1010.....                               | 1         |
|                                             | <hr/> 28  |

| SECOND YEAR                                         | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SCTT 2810, 2820 .....                               | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....              | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....         | 4         |
| Business and Technology courses <sup>3</sup> .....  | 9         |
| SSTA 3810 .....                                     | 3         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
|                                                     | 31        |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SLSC 4000 .....                                    | 1         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 4         |
| Business and Technology courses <sup>3</sup> ..... | 15        |
| SPHI 3100 <sup>4</sup> .....                       | 3         |
| SECO course at 3000-level <sup>4</sup> .....       | 3         |
| Academic Electives .....                           | 6         |
|                                                    | 32        |

| FOURTH YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| SBTS 480T, 482T .....                              | 5         |
| SLSC 4900 .....                                    | 1         |
| Business and Technology courses <sup>3</sup> ..... | 15        |
| Academic electives .....                           | 5         |
| SPHI 42004 .....                                   | 3         |
|                                                    | 29        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- 1 Student must take two of one discipline (life or physical science) and one semester of the other
- 2 All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 3 Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 3031, 3100, 4010, 4011. HP 3320, 4300, 4400, 4410, 4430, SHIS 3730. No more than 29 hours of courses with the following prefixes may be taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG. 20 hours must be at the 3000-level or higher. They must be distributed to earn at least one minor in Accounting, Business Administration, Computer Information Systems, Electronics Engineering Technology, Hospitality Management and Tourism, or Industrial Engineering Technology.
- 4 May be satisfied by 3 hours of SCTT at the 3000-level.

## Curriculum for Concentration in Classical Studies (820H)

| FIRST YEAR                                                                          | SEM. HRS. |
|-------------------------------------------------------------------------------------|-----------|
| SCTT 1810, 1820 .....                                                               | 7         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Concentration Courses <sup>4</sup> ..... | 9         |
| ENGL 1010, SCRT 181W .....                                                          | 6         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 .....                                     | 3         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                                              | 4         |
| SOR 1010 .....                                                                      | 1         |
|                                                                                     | 30        |

| SECOND YEAR                                                                        | SEM. HRS. |
|------------------------------------------------------------------------------------|-----------|
| SCTT 2810, 2820 .....                                                              | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                                             | 8         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Concentration Course <sup>4</sup> ..... | 12        |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 .....                                    | 3         |
| Academic Electives <sup>5</sup> .....                                              | 3         |
|                                                                                    | 34        |

| THIRD YEAR                                                                          | SEM. HRS. |
|-------------------------------------------------------------------------------------|-----------|
| SLSC 4000 .....                                                                     | 1         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Concentration Courses <sup>4</sup> ..... | 21        |
| 1 from: SSOT; EPSY 2020; PSYC 1010, 2050 .....                                      | 3         |
| Academic Elective <sup>5</sup> .....                                                | 6         |
|                                                                                     | 31        |

| FOURTH YEAR                                                                     | SEM. HRS. |
|---------------------------------------------------------------------------------|-----------|
| SHUM 480T, 482T .....                                                           | 5         |
| SLSC 4900 .....                                                                 | 1         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , Concentration course <sup>4</sup> ..... | 9         |
| Academic Electives <sup>5</sup> .....                                           | 10        |
|                                                                                 | 25        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- 1 Two of one discipline (life or physical science) and one semester of the other.
- 2 SLTN 1810, 2810, 2840, and a minimum of 2 courses at the 3000-4000 level (one course must be prose and one poetry).
- 3 SGRK 1810, 2810, 2840, and a minimum of 2 courses at the 3000-4000 level (one course must be prose and one poetry).
- 4 An additional 3 hours of SLTN or SGRK courses with the remaining 18 hours chosen from: Art 3520, SENG 3000, ENGL 3400, ENGL 4620, HIST 4140, 4150; SHIS 3880 (Augustus), SPHI 2000, 3710, 3880 (Plato, Aristotle), SART 3820, SCTT 3120, 3210, THEA 2360 or the prefixes SCLA SHST, SLTN, SGRK.
- 5 A minimum of 9 credit hours of academic electives must be courses with Scholars' prefixes.

## Curriculum for Concentration in Fine and Performing Arts (820C)

| FIRST YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| English 1010 .....                                  | 3         |
| Fine and Performing Arts courses <sup>5</sup> ..... | 9         |
| Performance/studio elective <sup>4</sup> .....      | 2         |
| SCRT 181W .....                                     | 3         |
| SCTT 1810, 1820 .....                               | 7         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....         | 8         |
| SOR 1010 .....                                      | 1         |
|                                                     | 33        |

| SECOND YEAR                                           | SEM. HRS. |
|-------------------------------------------------------|-----------|
| Academic Electives <sup>3</sup> .....                 | 3         |
| Fine and Performing Arts courses <sup>5</sup> .....   | 6         |
| Performance/studio elective <sup>4</sup> .....        | 2         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                | 8         |
| SCTT 2810, 2820 .....                                 | 8         |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 3         |
|                                                       | 30        |

| THIRD YEAR                                                             | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Academic Electives <sup>3</sup> .....                                  | 5         |
| Fine and Performing Arts courses at 3000/4000 level <sup>5</sup> ..... | 12        |
| Performance/studio elective <sup>4</sup> .....                         | 2         |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 .....                  | 3         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 .....                   | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                                 | 4         |
| SLSC 4000 .....                                                        | 1         |
|                                                                        | 30        |

| FOURTH YEAR                                                   | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| SFPA 480T, 482T .....                                         | 5         |
| Fine and Performing Arts courses at the 3000/4000 level ..... | 15        |
| SLSC 4900 .....                                               | 1         |
| Academic Electives .....                                      | 6         |
|                                                               | 27        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- 1 All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 2 Two of one discipline (life or physical science and labs) and one semester of the other.
- 3 A minimum of 8 credit hours of academic electives must be courses with Scholars' prefixes.
- 4 Chosen from ART 1060, 1070, 1350, 2000, 2060, 2120, 2130, 2140, 2270, 2290, 2340, 2350; DAN 1100, 1110, 1150, 1170, 1180, 1300, 1570, 1700, 2400, 2410, 2440, 2700; MUS 1010, 1020, 1040, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1700, 1710; THEA 2030, 2300, 2310, 2320.
- 5 Chosen from courses with the prefix ART, DAN, FA, MUS, THEA, SART, SMUS, and the courses ENGL 3400, 3500, 3510, 3520, 3530, 3540, 4170, 4190, 4340, 4400, 4710, 4870, 4970, 4980; PHIL 4030; PSYC 4900; SCTT 3120, 3210, SENG 3810; SHIS 3710, 3720; SPHI 3870.

## Curriculum for Concentration in Foreign Languages (820D): French

| FIRST YEAR            | SEM. HRS. |
|-----------------------|-----------|
| SCTT 1810, 1820 ..... | 7         |
| SFRE 1810, 2810 ..... | 8         |
| SOR 1010 .....        | 1         |
| English 1010 .....    | 3         |

|                                                                                                                                       |           |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------|
| SCRT 181W .....                                                                                                                       | 3         |
| 2 from SMAT 1820, 1830, 2000 or SSTA 3810 .....                                                                                       | 6         |
| 1 from SCTT 3220, SHIS 3810, 3880 (French topics), HIST 3250, or<br>3 hours of history from a country in which French is spoken ..... | 3         |
|                                                                                                                                       | <u>31</u> |

|                                        |                  |
|----------------------------------------|------------------|
| <b>SECOND YEAR</b>                     | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                  | 8                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> ..... | 8                |
| SSPN/SGRK/SLTN/SRUS <sup>1</sup> ..... | 4                |
| SFRE 2820, 2840 .....                  | 7                |
| Academic Electives <sup>3</sup> .....  | 3                |
|                                        | <u>30</u>        |

|                                        |                  |
|----------------------------------------|------------------|
| <b>THIRD YEAR</b>                      | <b>SEM. HRS.</b> |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> ..... | 4                |
| SLSC 4000 .....                        | 1                |
| 12 hours from SFRE 3810 or 3890 .....  | 12               |
| SSPN/SGRK/SLTN/SRUS <sup>1</sup> ..... | 8                |
| Academic Electives <sup>3</sup> .....  | 6                |
|                                        | <u>31</u>        |

|                                                      |                  |
|------------------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                                   | <b>SEM. HRS.</b> |
| SHUM 480T, 482T .....                                | 5                |
| SLSC 4900 .....                                      | 1                |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3                |
| 12 hours from SFRE 3890 .....                        | 12               |
| Academic Electives <sup>3</sup> .....                | 7                |
|                                                      | <u>28</u>        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- <sup>1</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science and labs) and one semester of the other.
- <sup>3</sup> A minimum of 8 hours must be courses with Scholars' prefixes.

### Curriculum for Concentration in Foreign Languages (820D): Spanish

|                                                       |                  |
|-------------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                     | <b>SEM. HRS.</b> |
| ENGL 1010 .....                                       | 3                |
| SCTT 1810, 1820 .....                                 | 7                |
| SSPN 1810 .....                                       | 4                |
| SCRT 181W .....                                       | 3                |
| SOR 1010 .....                                        | 1                |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 6                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                | 4                |
| Academic Electives <sup>3</sup> .....                 | 3                |
|                                                       | <u>31</u>        |

|                                                                                          |                  |
|------------------------------------------------------------------------------------------|------------------|
| <b>SECOND YEAR</b>                                                                       | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                                                                    | 8                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                                                   | 8                |
| SSPN 2810, 2820 .....                                                                    | 8                |
| 3 hours from SSOT, EPSY 2020, PSYC 1010, 2050 .....                                      | 3                |
| 3 hours of history of at least one country where Spanish<br>is spoken or SCTT 3220 ..... | 3                |
|                                                                                          | <u>30</u>        |

|                                        |                  |
|----------------------------------------|------------------|
| <b>THIRD YEAR</b>                      | <b>SEM. HRS.</b> |
| Academic Electives <sup>1</sup> .....  | 6                |
| SLSC 4000 .....                        | 1                |
| SPAN 3060, 3070, 3100, 3110 .....      | 12               |
| SFRE/SGRK/SLTN/SRUS <sup>3</sup> ..... | 8                |
| SSPN 3890 .....                        | 3                |
|                                        | <u>30</u>        |

|                                        |                  |
|----------------------------------------|------------------|
| <b>FOURTH YEAR</b>                     | <b>SEM. HRS.</b> |
| SHUM 480T, 482T .....                  | 5                |
| SLSC 4900 .....                        | 1                |
| SPAN 3080 or 3090 .....                | 3                |
| SFRE/SGRK/SLTN/SRUS <sup>3</sup> ..... | 4                |
| SPAN 4210 .....                        | 3                |
| 6 hours of SSPN 3890 .....             | 6                |
| Academic Electives <sup>1</sup> .....  | 7                |
|                                        | <u>29</u>        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- <sup>1</sup> A minimum of 8 credit hours of academic electives must be courses with Scholars' prefixes.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.
- <sup>3</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

### Curriculum for Concentration in Humanities and Social Thought (820B)

|                                                          |                  |
|----------------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                        | <b>SEM. HRS.</b> |
| SCTT 1810, 1820 .....                                    | 7                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....              | 6                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                   | 8                |
| SOR 1010 .....                                           | 1                |
| ENGL 1010, SCRT 181W .....                               | 6                |
| Humanities and Social Thought courses <sup>4</sup> ..... | 4                |
|                                                          | <u>32</u>        |

|                                                          |                  |
|----------------------------------------------------------|------------------|
| <b>SECOND YEAR</b>                                       | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                                    | 8                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                   | 4                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....              | 6                |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 .....          | 3                |
| Humanities and Social Thought courses <sup>4</sup> ..... | 12               |
|                                                          | <u>33</u>        |

|                                                          |                  |
|----------------------------------------------------------|------------------|
| <b>THIRD YEAR</b>                                        | <b>SEM. HRS.</b> |
| SLSC 4000 .....                                          | 1                |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 .....          | 3                |
| 1 from SSOT; PSYC 1010, 2050; EPSY 2020 .....            | 3                |
| Academic Electives <sup>1</sup> .....                    | 6                |
| Humanities and Social Thought courses <sup>4</sup> ..... | 16               |
|                                                          | <u>29</u>        |

|                                                          |                  |
|----------------------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                                       | <b>SEM. HRS.</b> |
| SHUM 480T, 482T .....                                    | 5                |
| SLSC 4900 .....                                          | 1                |
| Humanities and Social Thought courses <sup>4</sup> ..... | 13               |
| Academic Electives <sup>1</sup> .....                    | 7                |
|                                                          | <u>26</u>        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- <sup>1</sup> A minimum of 6 credit hours of academic electives must be courses with Scholars' prefixes.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.
- <sup>3</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>4</sup> Chosen from the Scholars' prefixes SART, SCLA, SCTT, SECO, SFRE, SGRK, SHIS, SHPS, SHUM, SLSC, SLTN, SMHU, SMUS, SPHI, SRUS, SSOT, and SSPN; the University prefixes ANTH, COMM, CJ, ENGL, GEOG, GLST, HIST, HUM, PSCI, PSYC, SST, SOWK, SOC, SPAN; and the courses ART 3520, 3530, 3540; BUAD 3250, 3260; MUS 2030, 2040, 3030, 3040, 4130; THEA 2360, 3380, 4330.

### Curriculum for Concentration in Philosophy, Politics, and Economics (820G)

|                                                       |                  |
|-------------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                     | <b>SEM. HRS.</b> |
| SCTT 1810, 1820 .....                                 | 7                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>5</sup> .....           | 8                |
| SBIO/SECL/SCHM/SPHY <sup>4</sup> .....                | 4                |
| SCRT 181W .....                                       | 3                |
| SOR 1010 .....                                        | 1                |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 6                |
| ENGL 1010 .....                                       | 3                |
|                                                       | <u>32</u>        |

|                                                  |                  |
|--------------------------------------------------|------------------|
| <b>SECOND YEAR</b>                               | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                            | 8                |
| SBIO/SECL/SCHM/SPHY <sup>4</sup> .....           | 8                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>5</sup> .....      | 4                |
| SECO 2810 .....                                  | 4                |
| PHIL 1010, 2030, or SPHI 3850 or SCTT 3120 ..... | 3                |
| PSCI 2010 or 2090 .....                          | 3                |
|                                                  | <u>30</u>        |



| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SLSC 4000.....                                     | 1         |
| 2 from SPHI 3710, 3740, 3810, 3840.....            | 8         |
| SECO <sup>1</sup> .....                            | 6         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
| PSCI <sup>2</sup> .....                            | 6         |
| SPHI <sup>3</sup> .....                            | 4         |
|                                                    | <hr/> 28  |

| FOURTH YEAR             | SEM. HRS. |
|-------------------------|-----------|
| SHUM 480T, 482T.....    | 5         |
| SLSC 4900.....          | 1         |
| PSCI <sup>2</sup> ..... | 6         |
| SECO <sup>1</sup> ..... | 6         |
| SPHI 3890.....          | 1         |
| Academic electives..... | 11        |
|                         | <hr/> 30  |

Total Semester Hours for Degree ..... 120

**Footnotes:**

- <sup>1</sup> Courses with the SECO prefix at the 3000 or 4000 level; may include 4 hours of SCTT at the 3000-level.
- <sup>2</sup> Courses with the PSCI prefix at the 3000 or 4000 level; may include 4 hours of SCTT at the 3000-level.
- <sup>3</sup> Courses with the SPHI prefix at the 3000 or 4000 level.
- <sup>4</sup> Student must take two of one discipline (life or physical science) and one semester of the other.
- <sup>5</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

### Curriculum for Concentration in Scientific Inquiry (820A)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SCTT 1810, 1820.....                               | 7         |
| ENGL 1010.....                                     | 3         |
| SCRT 181W.....                                     | 3         |
| SMAT 2000, 2010.....                               | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 8         |
| SOR 1010.....                                      | 1         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                    | <hr/> 31  |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820.....                        | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> ..... | 4         |
| Science courses <sup>1</sup> .....          | 10        |
|                                             | <hr/> 30  |

| THIRD YEAR                                            | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SSTA 3810.....                                        | 3         |
| SLSC 4000.....                                        | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....           | 4         |
| Science courses <sup>1</sup> .....                    | 10        |
| Science courses at 3000/4000 level <sup>1</sup> ..... | 12        |
|                                                       | <hr/> 30  |

| FOURTH YEAR                                           | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SSCI 480T, 482T.....                                  | 5         |
| SLSC 4900.....                                        | 1         |
| Science courses at 3000/4000 level <sup>1</sup> ..... | 13        |
| Academic electives <sup>2</sup> .....                 | 10        |
|                                                       | <hr/> 29  |

Total Semester Hours for Degree ..... 120

**Footnotes:**

- <sup>1</sup> Courses with prefixes SBIO, SCHM, SECL, SHPS, SMAT, SPHY, SSCI, SSTA, BIOL, CHEM, CIS, CSC, GEOL, MATH, PHYS, SCI, STAT, VTEC or the courses ANTH 3050, GEOG 2010, HP 3550, 3560-61. To include: a 2-course core sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy – MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000, SCTT 3220); and at least 3 hours from SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820. SSCI 3010 will not satisfy any requirements for Scientific Inquiry (820A) concentration.
- <sup>2</sup> Must be approved by the student's academic advisor.
- <sup>3</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## ACCELERATED DEGREE PROGRAMS

### Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Computer Information Systems (597)

#### Admission Requirements for the Accelerated B.A. in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Computer Information Systems (597)

Successful applicants to the accelerated B.A./M.S. program in Liberal Arts with a concentration in Business, Technology, and Society (B.A.) and Computer Information Systems (M.S.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.
- Completion of SSTA 3810 (Honors Applied Statistics) and at least 15 credit hours of CSC or CIS courses by the time of application.
- Two letters of recommendation.
- Undergraduate GPA of 3.2.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Business, Technology, and Society: SPHI 3100<sup>1</sup>, SPHI 4200<sup>1</sup>; SSTA 3810; 3 hours of SECO courses at the 3000-level or above<sup>1</sup>; 36 hours of business and technology courses<sup>2</sup>, 18 hours of which must be at the 3000-level or higher; completion of a minor in Computer Information Systems. Specific core requirements: SMAT 2000, 2010. 9 hours of academic electives.

**Footnotes:**

- <sup>1</sup> May be satisfied by 3 hours of SCTT at the 3000-level.
- <sup>2</sup> Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 2031, 3100, 4010, 4011. No more than 29 hours of courses with the following prefixes maybe taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG.

*Master of Science in Computer Information Systems (597):* CIS 5100, 5200, 5450, 5550, 5600, and one of 5300 or 5400. 6 hours of CIS 5300, 5400, 5810, 5820, 5830, or 5840; CIS 5900 and 5950.

#### Curriculum for Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Computer Information Systems (597)

| FIRST YEAR                                  | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 1810, 1820.....                        | 7         |
| ENGL 1010.....                              | 3         |
| SCRT 181W.....                              | 3         |
| SMAT 2000, 2010.....                        | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> ..... | 4         |
| SOR 1010.....                               | 1         |
|                                             | <hr/> 28  |

| SECOND YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| SCTT 2810, 2820.....                               | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....        | 4         |
| Business and Technology courses <sup>3</sup> ..... | 9         |
| SSTA 3810.....                                     | 3         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                    | <hr/> 31  |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 4         |
| Business and Technology courses <sup>3</sup> ..... | 15        |
| SPHI 3100 <sup>4</sup> .....                       | 3         |
| SECO course at 3000-level <sup>4</sup> .....       | 3         |
| Academic Electives.....                            | 9         |
|                                                    | <u>34</u> |

| FOURTH YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| Business and Technology courses <sup>3</sup> ..... | 12        |
| SPHI 4200 <sup>4</sup> .....                       | 3         |
| CIS 5200, 5450, 5550, 5600.....                    | 12        |
|                                                    | <u>27</u> |

| FIFTH YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| CIS 5100.....                                          | 3         |
| CIS 5300 or 5400.....                                  | 3         |
| 6 hours of CIS 5300, 5400, 5810, 5820, 5830, 5840..... | 6         |
| CIS 5900.....                                          | 3         |
| CIS 5940.....                                          | 3         |
| CIS 5950.....                                          | 3         |
|                                                        | <u>21</u> |

Total Semester Hours for Degree ..... 141

**Footnotes:**

- <sup>1</sup> Student must take two of one discipline (life or physical science) and one semester of the other.
- <sup>2</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>3</sup> Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 3031, 3100, 4010, 4011. No more than 29 hours of courses with the following prefixes may be taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG. 20 hours must be at the 3000-level or higher. They must be distributed to earn a minor in Computer Information Systems.
- <sup>4</sup> May be satisfied by 3 hours of SCTT at the 3000-level.

## Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Classical Studies (820H) and Master of Arts in English (529)

### Admission Requirements for the Accelerated B.A. in Liberal Arts and M.A. in English

Successful applicants of the accelerated B.A./M.A. program in Liberal Arts with a concentration in Classical Studies (B.A.) and English (M.A.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.
- ENGL 2070 and at least 3 credit hours of upper-level SENG or upper-level ENGL courses with grades of B or better (at least 6 more hours of upper-level SENG or upper-level ENGL courses are required to fulfill undergraduate requirements).
- A writing sample of not more than 15 pages demonstrating facility in analysis, argument, research, and coherence.
- An undergraduate GPA of 3.2 or higher.
- A letter of intent of about 500 words describing career goals and/or rationale for pursuing graduate study in English. This statement should demonstrate a substantial commitment to graduate study.
- Two letters of recommendation from people who have supervised the applicant in an academic or similar setting.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Classical Studies (820H): 40 hours – SLTN 1810, 2810, 2840 (8 hours counted in core); SGRK 1810, 2810, 2840; 6 hours of SLTN at the 3000/4000 level<sup>1</sup>; 6 hours of SGRK at the

3000/4000 level<sup>1</sup>; 3 additional hours of SLTN or SGRK; 15 hours of concentration electives chosen from: SENG 3000, ENGL 3400, HIST 4140, 4150; SHIS 3880 (Augustus), SPHI 2000, 3710, 3880 (Plato, Aristotle), SART 3820, or the prefixes SCLA SHST, SLTN, SGRK; 14 hours of academic electives (at least 6 hours of which must be from Scholars' College prefixes) and ENGL 2070.

Students in the combined degree program must complete the requirements of an area of study from the M.A. in English program and complete all other requirements of the M.A. in English. All students in the combined degree program are required to complete a thesis. A fully approved thesis proposal must be on file in the Department and the Graduate School prior to registration for thesis hours (ENGL 5980). Thesis students must successfully defend the thesis prior to graduation.

Students in the combined program are awarded both the B.A. and M.A. degrees upon completion of all the program's requirements.

<sup>1</sup> One course poetry and one course prose at the 3000-4000 level.

### Curriculum for Concentration in Classical Studies (820H) and Master of Arts in English (529)

| FIRST YEAR                                                                     | SEM. HRS. |
|--------------------------------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                                           | 7         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Classics courses <sup>4</sup> ..... | 9         |
| ENGL 1010, SCRT 181W.....                                                      | 6         |
| 1 from: SSOT; EPSY 2020; PSYC 1010, 2050.....                                  | 3         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                                         | 4         |
| SOR 1010.....                                                                  | 1         |
|                                                                                | <u>30</u> |

| SECOND YEAR                                                                    | SEM. HRS. |
|--------------------------------------------------------------------------------|-----------|
| SCTT 2810, 2820.....                                                           | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                                         | 8         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Classics courses <sup>4</sup> ..... | 9         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810.....                                 | 3         |
| ENGL 2070.....                                                                 | 3         |
|                                                                                | <u>31</u> |

| THIRD YEAR                                                                     | SEM. HRS. |
|--------------------------------------------------------------------------------|-----------|
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , or Classics courses <sup>4</sup> ..... | 21        |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810.....                                 | 3         |
| Academic Elective <sup>5</sup> .....                                           | 6         |
|                                                                                | <u>30</u> |

| FOURTH YEAR                                                                 | SEM. HRS. |
|-----------------------------------------------------------------------------|-----------|
| ENGL 5800.....                                                              | 3         |
| ENGL 5280.....                                                              | 3         |
| ENGL (5000/6000 level) <sup>6</sup> .....                                   | 3         |
| SLTN <sup>2</sup> , SGRK <sup>3</sup> , Classics courses <sup>4</sup> ..... | 9         |
| Academic Electives <sup>5</sup> .....                                       | 8         |
|                                                                             | <u>26</u> |

| FIFTH YEAR                                | SEM. HRS. |
|-------------------------------------------|-----------|
| ENGL (5000/6000 level) <sup>6</sup> ..... | 15        |
| ENGL 5980.....                            | 6         |
|                                           | <u>21</u> |

Total Semester Hours for Degree ..... 138

**Footnotes:**

- <sup>1</sup> Two of one discipline (life or physical science) and one semester of the other.
- <sup>2</sup> SLTN 1810, 2810, 2840, and a minimum of 2 courses at the 3000-4000 level (one course must be prose and one poetry).
- <sup>3</sup> SGRK 1810, 2810, 2840, and a minimum of 2 courses at the 3000-4000 level (one course must be prose and one poetry).
- <sup>4</sup> An additional 3 hours of SLTN or SGRK courses with the remaining 18 hours chosen from: ART 3520; ENGL 3400, 4620; HIST 4140, 4150; THEA 2360; SENG 3000; SHIS 3880 (Augustus), SPHI 2000, 3710, 3880 (Plato, Aristotle); SART 3820, or the prefixes SCLA SHST, SLTN, SGRK.
- <sup>5</sup> A minimum of 6 credit hours of academic electives must be courses with Scholars' prefixes. A minimum of 9 credit hours of upper-level SENG or upper-level ENGL courses must be taken to satisfy the Concentration requirements and/or the Academic Electives.
- <sup>6</sup> To be distributed according to the chosen area of study for the English Master of Arts program.

## Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Fine and Performing Arts (820C) and Master of Arts in Art (511)

### Admission Requirements for the Accelerated B.A. in Liberal Arts with a Concentration in Fine and Performing Arts and M.A. in Art

Successful applicants to the accelerated B.A./M.A. program in Liberal Arts with a concentration in Fine and Performing Arts (B.A.) and Art (M.A.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.
- Three letters of recommendation from arts professionals who can attest to the student's proficiency and professionalism.
- An undergraduate GPA of 3.2 or higher.
- 18 hours of courses with the ART prefix; these must include ART 1010, 1020, 1060, 1070, and 2160.
- A letter of intent stating why the student is interested in pursuing a graduate degree, defining their long-term goals and objectives. The student should also address what strengths they can bring to the graduate program at Northwestern State and how the student will use the graduate experience to self challenge.
- A set of 20 slides or a CD-Rom containing a minimum of 20 images of undergraduate work.
- An interview with a faculty committee comprised of a minimum of three graduate art faculty.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Fine and Performing Arts: 6 hours from studio art instruction<sup>1</sup>; 39 additional hours of fine and performing arts courses<sup>2</sup> of which 24 hours must be at the 3000 level or above, 24 hours must be in art and must include ART 1010, 1020, 1060, 1070, and 2160, and at least 6 hours in a second fine and performing arts discipline<sup>3</sup>; 12 hours of academic electives. No more than 8 credit hours of ensembles may be counted towards the degree. Students in the accelerated degree program must complete the requirements of the M.A. in Art. Students in the accelerated program are awarded both the B.A. and M.A. degrees upon completion of all the program's requirements.

#### Footnotes:

- <sup>1</sup> Chosen from ART 1350, 2000, 2060, 2120, 2130, 2140, 2270, 2290 2340, and 2350.
- <sup>2</sup> Chosen from courses with the prefix, ART, DAN, FA, MUS, THEA, SART, SMUS, and the courses ENGL 3400, 3500, 3510, 3520, 3530, 3540, 4170, 4190, 4340, 4400, 4710, 4870, 4970, 4980; PHIL 4030; PSYC 4900; SENG 3810; SHIS 3710, 3720; SPHI 3870.
- <sup>3</sup> Dance, film, music, photography, theatre.

### **Curriculum for Concentration in Fine and Performing Arts (820C) and a M.A. in Art (511)**

| FIRST YEAR                                  | SEM. HRS. |
|---------------------------------------------|-----------|
| English 1010.....                           | 3         |
| ART 1010, 1020, 1060, 1070.....             | 12        |
| SCRT 181W.....                              | 3         |
| SCTT 1810, 1820.....                        | 7         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 8         |
| SOR 1010 .....                              | 1         |
|                                             | 34        |

| SECOND YEAR             | SEM. HRS. |
|-------------------------|-----------|
| Academic Electives..... | 3         |
| ART 2160 .....          | 3         |

|                                                      |    |
|------------------------------------------------------|----|
| Performance/studio elective <sup>4</sup> .....       | 3  |
| SBIO/SECL/SCHM/SPHY <sup>5</sup> .....               | 8  |
| SCTT 2810, 2820.....                                 | 8  |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810..... | 3  |
|                                                      | 28 |

| THIRD YEAR                                                             | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Academic Electives <sup>2</sup> .....                                  | 3         |
| Fine and Performing Arts courses at 3000/4000 level <sup>3</sup> ..... | 15        |
| Performance/studio elective <sup>4</sup> .....                         | 3         |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810.....                   | 3         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....                    | 3         |
| SBIO/SECL/SCHM/SPHY <sup>5</sup> .....                                 | 4         |
|                                                                        | 31        |

| FOURTH YEAR                                                                                                                                                                                                                                                                 | SEM. HRS. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Academic Electives <sup>2</sup> .....                                                                                                                                                                                                                                       | 6         |
| ART 5460, 5950.....                                                                                                                                                                                                                                                         | 6         |
| 6 hours from ART 5010 <sup>6</sup> , 5020 <sup>6</sup> , 5080 <sup>6</sup> , 5090 <sup>6</sup> , 5110 <sup>7</sup> , 5130 <sup>6</sup> , 5140 <sup>6</sup> , 5220 <sup>6</sup> , 5240 <sup>8</sup> , 5420 <sup>6</sup> , 5440 <sup>6</sup> , 5450 <sup>6</sup> , 5700 ..... | 6         |
| Fine and Performing Arts courses at the 3000/4000 level.....                                                                                                                                                                                                                | 9         |
|                                                                                                                                                                                                                                                                             | 27        |

| FIFTH YEAR                                                                                                                                                                                                                                                                   | SEM. HRS. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| ART 5900, 5970, 5980 .....                                                                                                                                                                                                                                                   | 9         |
| 12 hours from ART 5010 <sup>6</sup> , 5020 <sup>6</sup> , 5080 <sup>6</sup> , 5090 <sup>6</sup> , 5110 <sup>7</sup> , 5130 <sup>6</sup> , 5140 <sup>6</sup> , 5220 <sup>6</sup> , 5240 <sup>8</sup> , 5420 <sup>6</sup> , 5440 <sup>6</sup> , 5450 <sup>6</sup> , 5700 ..... | 12        |
|                                                                                                                                                                                                                                                                              | 21        |

Total Semester Hours for Degree..... 141

#### Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> A minimum of 8 credit hours of academic electives must be courses with Scholars' prefixes.
- <sup>3</sup> Chosen from courses with the prefix ART, DAN, FA, MUS, THEA, SART, SMUS, and the courses ENGL 3400, 3500, 3510, 3520, 3530, 3540, 4170, 4190, 4340, 4400, 4710, 4870, 4970, 4980; PHIL 4030; PSYC 4900; SENG 3810; SHIS 3710, 3720; SPHI 3870.
- <sup>4</sup> Chosen from ART 1350, 2000, 2060, 2120, 2130, 2140, 2270, 2290, 2340, and 2350.
- <sup>5</sup> Two of one discipline (life or physical science and labs) and one semester of the other.
- <sup>6</sup> May be repeated for a total of 6 hours of credit when topic varies.
- <sup>7</sup> May be repeated for a total of 12 hours credit when topic varies.
- <sup>8</sup> May be repeated for a total of 15 hours credit when topic varies.

## Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Humanities and Social Thought (820B) and Master of Arts in English (529)

The accelerated B.A. in Liberal Arts and M.A. in English program offers qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. Students not accepted into the program can complete all the requirements of the Humanities and Social Thought concentration (820B) and graduate with a B.A. in four years. After completing all the requirements of the program, accepted students will be awarded both the B.A. and M.A.

### Admission Requirements for the Accelerated B.A. in Liberal Arts with a Concentration in Humanities and Social Thought and M.A. in English

Successful applicants to the accelerated B.A./M.A. program in Liberal Arts with a concentration in Humanities and Social

Thought (B.A.) and English (M.A.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.

- ENGL 2070 and at least 3 credit hours of upper-level SENG or upper-level ENGL courses with grades of B or better (at least 6 more hours of upper-level SENG or upper-level ENGL courses are required to fulfill undergraduate requirements).
- An undergraduate GPA of 3.2 or higher.
- A writing sample of not more than 15 pages demonstrating facility in analysis, argument, research, and coherence.
- A letter of intent of about 500 words describing career goals and/or rationale for pursuing graduate study in English. This statement should demonstrate a substantial commitment to graduate study.
- Two letters of recommendation from people who have supervised the applicant in an academic or similar setting.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Humanities and Social Thought: 4 additional hours of core language to bring total to 12; 42 hours of humanities or social science electives (27 hours must be courses with Scholars' College prefixes; 36 hours must be at the 3000/4000 level), including ENGL 2070; one of SART 3820; SECO 3840, 3850, 3860; SHIS 3700, 3710; SLSC 3800, 3810, 3820, 3830, or 4820; SPHI 3910 (interdisciplinary); and one of SBIO 3880; SENG 3810, 3880; SHIS 3880; or SPHI 3880 (major figure; this requirement may be fulfilled by ENGL 6100, 6110, 6120, or 6200); 11 hours of academic electives (6 hours must be courses with Scholars' prefixes).

Students in the combined degree program must complete the requirements of an area of study from the M.A. in English program and complete all other requirements of the M.A. in English. All students in the combined degree program are required to complete a thesis. A fully approved thesis proposal must be on file in the Department and the Graduate School prior to registration for thesis hours (ENGL 5980). Thesis students must successfully defend the thesis prior to graduation.

Students in the combined program are awarded both the B.A. and M.A. degrees upon completion of all the program's requirements.

### Curriculum for Concentration in Humanities and Social Thought (820B) and M.A. in English (529)

| FIRST YEAR                                               | SEM. HRS. |
|----------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                     | 7         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....              | 6         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                   | 8         |
| ENGL 1010, SCRT 181W.....                                | 6         |
| SOR 1010.....                                            | 1         |
| Humanities and Social Thought courses <sup>4</sup> ..... | 3         |
|                                                          | 31        |

| SECOND YEAR                                              | SEM. HRS. |
|----------------------------------------------------------|-----------|
| SCTT 2810, 2820.....                                     | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                   | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....              | 6         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810.....           | 3         |
| ENGL 2070.....                                           | 3         |
| Humanities and Social Thought courses <sup>4</sup> ..... | 6         |
|                                                          | 30        |

| THIRD YEAR                                               | SEM. HRS. |
|----------------------------------------------------------|-----------|
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810.....     | 3         |
| 1 from SSOT, PSYC 1010, 2050, EPSY 2020.....             | 3         |
| Humanities and Social Thought courses <sup>4</sup> ..... | 16        |
| Academic Electives <sup>1</sup> .....                    | 6         |
|                                                          | 28        |

| FOURTH YEAR                                              | SEM. HRS. |
|----------------------------------------------------------|-----------|
| ENGL 5800.....                                           | 3         |
| ENGL 5280.....                                           | 3         |
| ENGL (5000/6000 level) <sup>5</sup> .....                | 3         |
| Humanities and Social Thought courses <sup>4</sup> ..... | 14        |
| Academic Electives <sup>1</sup> .....                    | 5         |
|                                                          | 28        |

| FIFTH YEAR                                | SEM. HRS. |
|-------------------------------------------|-----------|
| ENGL (5000/6000 level) <sup>5</sup> ..... | 15        |
| ENGL 5980.....                            | 6         |
|                                           | 21        |

Total Semester Hours for Degree..... 138

#### Footnotes:

<sup>1</sup> A minimum of 6 credit hours of academic electives must be courses with Scholars' prefixes.

<sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.

<sup>3</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

<sup>4</sup> Chosen from the Scholars' prefixes SART, SCLA, SECO, SFRE, SGRK, SHIS, SHPS, SHUM, SLSC, SLTN, SMUS, SPHI, SRUS, SSOT, and SSPN; the University prefixes ANTH, COMM, CJ, ENGL, GEOG, GLST, HIST, HUM, PSCI, PSYC, SST, SOWK, SOC, SPAN; and the courses ART 3520, 3530, 3540, BUAD 3250, 3260, MUS 2030, 2040, 3030, 3040, 4130, THEA 2360, 3380, 4330. At least nine hours must be in upper-level ENGL or upper-level SENG courses.

<sup>5</sup> To be distributed according to the chosen area of study for the English Master of Arts program.

### Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Philosophy, Politics, and Economics (820G) and Master of Science in Homeland Security (579)

The accelerated B.A. in Liberal Arts and M.S. in Homeland Security program offers qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. Students not accepted into the program can complete all the requirements of the Philosophy, Politics, and Economics concentration (820G) and graduate with a B.A. in four years. After completing all the requirements of the program, accepted students will be awarded both the B.A. and M.S.

#### Admission Requirements for the Accelerated B.A. in Liberal Arts with a Concentration in Philosophy, Politics, and Economics and a M.S. in Homeland Security

Successful applicants to the accelerated B.A./M.S. program in Liberal Arts with a concentration in Philosophy, Politics, and Economics (B.A.) and Homeland Security (M.S.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.
- An undergraduate GPA of 3.2 or higher.
- Three letters of recommendation.
- Statement of Purpose – Serves as a writing sample and includes the applicant's reason for applying and preparation for the program; strengths and experiences that are relevant and how the program can help the applicant realize expectations and goals.
- Resume or CV.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Philosophy, Politics, and Economics: PHIL 1010, 2030, or SPHI 3850, two of SPHI 3710, 3740, 3810, or 3840, 4 hours of courses with SPHI or PHIL prefix at the 3000 or 4000 level PSCI 2010 or 2090, 9 hours of courses with the PSCI prefix at the 3000 or 4000 level, SECO 2810, 12 hours of courses with the SECO prefix at the 3000 or 4000 level, 4 hours of a foreign language (same as the language for the core), 1 hour of SPHI 3890, 9 hours of academic electives.

Students in the accelerated degree program must complete the requirements of the M.S. in Homeland Security. They must complete a thesis by completing HS 5900.

Students in the accelerated degree program are awarded both the B.A. and M.A. degrees upon completion of all the program's requirements.

### Curriculum for Concentration in Philosophy, Politics, and Economics (820G) and Master of Science in Homeland Security (579)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                 | 7         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>5</sup> .....          | 8         |
| SBIO/SECL/SCHM/SPHY <sup>4</sup> .....               | 4         |
| SOR 1010.....                                        | 1         |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810..... | 6         |
| ENGL 1010.....                                       | 3         |
| SCRT 181W.....                                       | 3         |
|                                                      | <u>32</u> |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820.....                        | 8         |
| SBIO/SECL/SCHM/SPHY <sup>4</sup> .....      | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>5</sup> ..... | 4         |
| SECO 2810.....                              | 4         |
| PHIL 1010, 2030, or SPHI 3850.....          | 3         |
| PSCI 2010 or 2090.....                      | 3         |
|                                             | <u>30</u> |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| 2 from SPHI 3710, 3740, 3810, 3840.....            | 8         |
| SECO <sup>1</sup> .....                            | 6         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
| PSCI <sup>2</sup> .....                            | 9         |
| SPHI <sup>3</sup> .....                            | 4         |
|                                                    | <u>30</u> |

| FOURTH YEAR                    | SEM. HRS. |
|--------------------------------|-----------|
| SECO <sup>1</sup> .....        | 6         |
| SPHI 3890.....                 | 1         |
| Academic electives.....        | 9         |
| HS 5000, 5050, 5150, 5350..... | 12        |
|                                | <u>28</u> |

| FIFTH YEAR                                                  | SEM. HRS. |
|-------------------------------------------------------------|-----------|
| HS 5200, 5500, 5600, 5900.....                              | 12        |
| 2 of HS 5100, 5300, 5400, 5550, 5650, 5700, 5750, 5800..... | 6         |
|                                                             | <u>18</u> |

Total Semester Hours for Degree ..... 138

#### Footnotes:

- <sup>1</sup> Courses with the SECO prefix at the 3000 or 4000 level.
- <sup>2</sup> Courses with the PSCI prefix at the 3000 or 4000 level.
- <sup>3</sup> Courses with the SPHI prefix at the 3000 or 4000 level.
- <sup>4</sup> Student must take two of one discipline (life or physical science) and one semester of the other.
- <sup>5</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Inquiry (820A) and a Master of Science in Computer Information Systems (597)

### Admission Requirements for the Accelerated B.A. in Liberal Arts with a Concentration in Scientific Inquiry (820A) and a Master of Science in Computer Scientific Information Systems (597)

Successful applicants to the accelerated B.A./M.S. program in Liberal Arts with a concentration in Scientific Inquiry (B.A.) and Computer Information Systems (M.S.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College.
- Junior standing.
- Completion of SSTA 3810 (Honors Applied Statistics) and at least 15 credit hours of CSC or CIS courses by the time of application.
- Two letters of recommendation.
- Undergraduate GPA of 3.2.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College except SLSC 4900 and the following requirements of the concentration in Scientific Inquiry: 49 hours of science courses<sup>1</sup>, 22 hours of which must be at 3000 or above and should include CIS 1015, 1030, 3020, 2980, and 12 hours of CIS courses in either cybersecurity or programming<sup>2</sup>. 8 hours of academic electives. Specific core requirements: SMAT 2000 and SSTA 3810 (6 hours).

#### Footnotes:

- <sup>1</sup> To include: a 2-course core sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy – MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000); and at least 3 hours from SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820. SSCI 3010 will not satisfy any requirements for the Scientific Inquiry (820A) concentration.
- <sup>2</sup> Students pursuing the cybersecurity path should take CIS 2080, 2090, 3400, and 3980; students pursuing the programming path should take 3300, 3970, 4000, and 4020.

*Master of Science in Computer Information Systems (597):*  
CIS 5100, 5200, 5450, 5550, 5600, and one of 5300 or 5400.  
6 hours of CIS 5300, 5400, 5810, 5820, 5830, or 5840; CIS 5900 and 5950.

### Curriculum for Concentration in Scientific Inquiry (820A) and a Master of Science in Computer Information Systems (597)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SCTT 1810, 1820.....                               | 7         |
| ENGL 1010.....                                     | 3         |
| SCRT 181W.....                                     | 3         |
| SMAT 2000, 2010.....                               | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 8         |
| SOR 1010.....                                      | 1         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                    | <u>31</u> |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820.....                        | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> ..... | 4         |
| Science courses <sup>1</sup> .....          | 10        |
|                                             | <u>30</u> |

| THIRD YEAR                                            | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SSTA 3810.....                                        | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....           | 4         |
| Science courses <sup>1</sup> .....                    | 10        |
| Science courses at 3000/4000 level <sup>1</sup> ..... | 12        |
|                                                       | <u>29</u> |

| FOURTH YEAR                                           | SEM. HRS. |
|-------------------------------------------------------|-----------|
| Science courses at 3000/4000 level <sup>1</sup> ..... | 10        |
| Academic electives <sup>2</sup> .....                 | 8         |
| CIS 5200, 5450, 5550, 5600 .....                      | 12        |
|                                                       | <u>30</u> |

| FIFTH YEAR                                              | SEM. HRS. |
|---------------------------------------------------------|-----------|
| CIS 5100 .....                                          | 3         |
| CIS 5300 or 5400 .....                                  | 3         |
| 6 hours of CIS 5300, 5400, 5810, 5820, 5830, 5840 ..... | 6         |
| CIS 5900 .....                                          | 3         |
| CIS 5940 .....                                          | 3         |
| CIS 5950 .....                                          | 3         |
|                                                         | <u>21</u> |

Total Semester Hours for Degree ..... 141

**Footnotes:**

<sup>1</sup> Courses with prefixes SBIO, SCHM, SECL, SHPS, SMAT, SPHY, SSCI, SSTA, BIOL, CHEM, CIS, CSC, GEOL, MATH, PHYS, SCI, STAT, VTEC or the courses ANTH 3050, GEOG 2010, HP 3550, 3560-61. Students must complete a 2-course sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy – MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000); 3 hours of a science research seminar (SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820); CIS 1015, 1030, 3020, 2980, and either CIS 2080, 2090, 3400, and 3980 (cybersecurity path) or CIS 3300, 3970, 4000, and 4020 (programming path). SSCI 3010 will not satisfy any requirements for the Scientific Inquiry (820A) concentration.

<sup>2</sup> Must be approved by the student's academic advisor.

<sup>3</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## Accelerated Bachelor of Science in Psychology Joint Major (859) and a Master of Science in Psychology, Clinical (552)

### Admission Requirements for the Accelerated Bachelor of Science in Psychology Joint Major (859) and a Master of Science in Psychology, Clinical (552)

Successful applicants of the accelerated B.S./M.S. program in Psychology (B.S.) and Psychology, Clinical (M.S.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Louisiana Scholars' College student with junior standing and pursuing the joint major in Psychology. Students are required to have all undergraduate coursework completed before starting graduate coursework.
- GPA of at least 3.5 (no GRE is required) or a GPA of at least a 3.2 and a GRE of 290 (Combined verbal and quantitative).
- Self-Statement (500-word, double-spaced, typed essay that discusses the student's personal goals and reasons for wanting to earn a M.S. in Clinical Psychology from Northwestern State University).
- Three letters of recommendation to include completed program-specific recommendation form. One letter must be from the Scholars' College Director. Another letter must be from a member of the faculty from whom the student has taken at least 2 courses.
- Interview with departmental graduate faculty.

### **Psychology Joint Major Requirements in Accelerated Program:**

Students must complete all the Common Curriculum requirements of the Louisiana Scholars' College except SLSC 4900, and the following requirements of the Psychology Joint major. Specific core requirements: SBIO 1830, 1831, 1850, 1851; SCHM 1840, 1841; SSTA 3810. Support courses: SOR 1010. Major courses: Psychology 1010, 2040, 2050, 2430, 3010, 3020, 3050 or 3060, 4410, 4440, 4450, 4470, 4490, 4510.

**Master of Science in Psychology, Clinical Requirements:** (45 hours) Psychology 5100, 5120, 5130, 5200, 5250, 5260, 5270, 5300, 5320, 5400, 5750, 5950, 5980, 6000.

Students in the accelerated program are awarded both the B.S. and M.S. degrees upon completion of all the program's requirements.

### **Curriculum for B.S. in Psychology Joint Major (859) and a M.S. in Psychology, Clinical (552)**

| FIRST YEAR                            | SEM. HRS. |
|---------------------------------------|-----------|
| SCTT 1810, 1820 .....                 | 7         |
| Psychology 1010, 2040 .....           | 6         |
| ENGL 1010 .....                       | 3         |
| SCRT 181W .....                       | 3         |
| 1 from SMAT 1820, 1830, or 2000 ..... | 3         |
| SBIO 1830, 1831, 1850, 1851 .....     | 8         |
| SOR 1010 .....                        | 1         |
| Academic Electives <sup>2</sup> ..... | 3         |
|                                       | <u>34</u> |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820 .....                       | 8         |
| SSTA 3810 .....                             | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 4         |
| Psychology 2050, 2430, 3010, 3020 .....     | 12        |
| Academic Electives <sup>2</sup> .....       | 8         |
|                                             | <u>35</u> |

| THIRD YEAR                                                  | SEM. HRS. |
|-------------------------------------------------------------|-----------|
| SCHM 1840, 1841 or SPHY 1830, 1831 .....                    | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                 | 4         |
| Psychology 3050 or 3060, 4410, 4440, 4450, 4470, 4490 ..... | 18        |
| Academic Electives <sup>2</sup> .....                       | 7         |
|                                                             | <u>33</u> |

| SUMMER 1                              | SEM. HRS. |
|---------------------------------------|-----------|
| Academic Electives <sup>2</sup> ..... | 6         |
|                                       | <u>6</u>  |

| FOURTH YEAR                                                             | SEM. HRS. |
|-------------------------------------------------------------------------|-----------|
| PSYC 5100 <sup>3</sup> , 5120, 5200, 5250, 5300, 5400, 5750, 6000 ..... | 24        |
|                                                                         | <u>24</u> |

| FIFTH YEAR                                                    | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Psychology 5130, 5260, 5270 (6 hours), 5320, 5950, 5980 ..... | 21        |
|                                                               | <u>21</u> |

Total Semester Hours for Degree ..... 153

**Footnotes:**

<sup>1</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

<sup>2</sup> Electives may be used to satisfy the concentration in Industrial Organizational Behavior (859D), Prevention Specialist (859C), Substance Abuse (859B), or a minimum of 9 hours must be courses with Scholars' prefixes.

<sup>3</sup> All undergraduate requirements must be completed before beginning graduate coursework.

## Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Scientific Inquiry (820A) and a Master of Science in Health and Human Performance with a Concentration in Public Health (577D)

### Admission Requirements for the Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Scientific Inquiry (820A) and a Master of Science in Health and Human Performance with a Concentration in Public Health (577D)

Successful applicants to the accelerated B.A./M.S. program in Liberal Arts with a concentration in Scientific Inquiry and Health and Human performance with a concentration in Public

Health will meet the following criteria, in addition to the admissions criteria established by the Graduate School:

- Student in the Louisiana Scholars' College with junior standing and pursuing a Liberal Arts with a Concentration in Scientific Inquiry
- An undergraduate GPA of 3.2 or higher.
- Application

Students must complete all the common curriculum requirements of the Louisiana Scholars' College and the following requirements of the concentration in Scientific Inquiry: 46 hours of science courses<sup>1</sup>, 22 hours of which must be at 3000 or above and should include BIOL 2250, 2251, 2260, 2261. 10 hours of academic electives. Specific core requirements: SMAT 2000 and 2010 (6 hours).

Students in the accelerated program must complete the requirements of the M.S. in Health and Human Performance with a Concentration in Public Health.

**Footnotes:**

<sup>1</sup> To include: a 2-course core sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy-MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000); and at least 3 hours from SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820; BIOL 2250, 2251, 2260, 2261, SCHM 1840, 1841; SSCI 3010 will not satisfy any requirements for the Scientific Inquiry (820A) concentration.

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SCTT 1810, 1820.....                               | 7         |
| ENGL 1010.....                                     | 3         |
| SCRT 181W.....                                     | 3         |
| SMAT 2000, 2010.....                               | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 8         |
| SOR 1010.....                                      | 1         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                    | 31        |

| SECOND YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| SCTT 2810, 2820.....                   | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> ..... | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS3.....         | 4         |
| Science courses <sup>1</sup> .....     | 10        |
|                                        | 30        |

| THIRD YEAR                                            | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....           | 4         |
| Science courses <sup>1</sup> .....                    | 10        |
| Science courses at 3000/4000 level <sup>1</sup> ..... | 16        |
| Academic Electives <sup>2</sup> .....                 | 3         |
|                                                       | 33        |

| FOURTH YEAR                                           | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SLSC 4900.....                                        | 1         |
| Science courses at 3000/4000 level <sup>1</sup> ..... | 6         |
| Academic Electives <sup>2</sup> .....                 | 7         |
| Health Education 5000, 5020, 5100, 5200.....          | 12        |
|                                                       | 26        |

| FIFTH YEAR                                               | SEM. HRS. |
|----------------------------------------------------------|-----------|
| Health Education 5250, 5300, 5400, 5470, 5600, 5370..... | 18        |
|                                                          | 18        |

Total Semester Hours for Degree ..... 138

**Footnotes:**

<sup>1</sup> Courses with prefixes SBIO, SCHM, SECL, SHPS, SMAT, SPHY, SSCI, SSTA, BIOL, CHEM, CIS, CSC, GEOL, MATH, PHYS, SCI, STAT, VTEC or the courses ANTH 3050, GEOG 2010, HP 3550, 3560-61. Students must complete a 2-course sequence in both life and physical science with labs; SMAT 2010; a course in logic (math or philosophy - MATH 2080, 4150; PHIL 2030; SHPS 2000; SMAT 1830, 2830; SPHI 3850), ethics (PHIL 2020, SPHI 2820, 3100), or the history or philosophy of math or science (MATH 4070, SHPS 2000); 3 hours of a science research seminar (SBIO 3870, 3880, 4810; SCHM 3890, 4990; or SLSC 4820); BIOL 2250, 2251, 2260, 2261, SCHM 1860, 1861; SSCI 3010 will not satisfy any requirements for the Scientific Inquiry (820A) concentration.

<sup>2</sup> Must be approved by the student's academic advisor.

<sup>3</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## Accelerated Bachelor of Science in Health and Exercise Science Joint Major (877) and Master of Science in Health and Human Performance with a Concentration in Public Health (577D)

### Admission Requirements for the Accelerated Bachelor of Science in Health and Exercise Science (877) and Master of Science in Health and Human Performance with a Concentration in Public Health (577D)

Successful applicants of the accelerated B.S. in Health and Exercise Science (B.S.) and M. S. in Health and Human Performance with a Concentration in Public Health (577D) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Louisiana Scholars' College student with junior standing and pursuing the joint major in Health and Exercise Science.
- Grade point average of at least 3.2
- Application

### **Health and Exercise Science Joint Major Requirements in Accelerated Program:**

Students must complete all the Common Curriculum requirements of the Louisiana Scholars' College and the following requirements of the joint major: Specific core requirements: PSYC 2050; SCHM 1840, 1841; major courses: HED 1010, 1090, 2010, 3000, 3100, 4000, 4500, 4600; HP 2000, 2630, 3550, 3560, 4170, 4600; NUTR 1030; PSYC 2450 or 4450; 4 hours of Human Performance Activity Electives and 4 hours of advisor approved academic electives.

### **Master of Science in Health and Human Performance with a Concentration in Public Health Requirements:**

Health Education 5000, 5020, 5100, 5200, 5250, 5300, 5400, 5470, 5600, 5370.

| FIRST YEAR                                    | SEM. HRS. |
|-----------------------------------------------|-----------|
| Biology 2250-2251, 2260-2261.....             | 8         |
| English 1010, SCRT 181W.....                  | 6         |
| Health Education 1090.....                    | 3         |
| SCTT 1810, 1820.....                          | 7         |
| Advisor approved electives <sup>2</sup> ..... | 2         |
| SMAT 1820, 1830, 2000, or 2010.....           | 3         |
| SOR 1010.....                                 | 1         |
| Psychology 2050.....                          | 3         |
|                                               | 33        |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| SCTT 2810, 2820.....                          | 8         |
| Human Performance 2000, 2630.....             | 6         |
| Advisor approved electives <sup>2</sup> ..... | 3         |
| Business Administration 1800, 3250.....       | 6         |
| Health Education 2010, 3110.....              | 6         |
|                                               | 29        |

| THIRD YEAR                                    | SEM. HRS. |
|-----------------------------------------------|-----------|
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>3</sup> .....   | 8         |
| Health Education 1010, 3000, 4600.....        | 9         |
| Psychology 2450 or 4450.....                  | 3         |
| Advisor approved electives <sup>2</sup> ..... | 3         |
| SCHM 1840, 1841.....                          | 4         |
| Human Performance 3550, 3560.....             | 6         |
|                                               | 33        |

| FOURTH YEAR                                  | SEM. HRS. |
|----------------------------------------------|-----------|
| SLSC 4900.....                               | 1         |
| Health Education 4000, 4500.....             | 6         |
| Human Performance 4170, 4660.....            | 6         |
| Health Education 5000, 5020, 5100, 5200..... | 12        |
|                                              | 25        |

| FIFTH YEAR                                                | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| Health Education 5250, 5300, 5400, 5470, 5600, 5370 ..... | 18        |
|                                                           | 18        |

Total Semester Hours for Degree ..... 138

**Footnotes:**

- <sup>1</sup> Biology 2250-2251, 2260-2261 replaces SBIO 1830, 1831, 1850, 1851 in Scholars' core.
- <sup>2</sup> Advisor approved electives - see advisor for approved courses.
- <sup>3</sup> All 8 hours must be of the same language. SSPN/SFRE/SGRK/SLTN/SRUS replace ENGL 3210 or 3230 requirement.

**Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)**

**Admission Requirements for the Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)**

Successful applicants to the accelerated B.A./M.S. program in Liberal Arts with a Concentration in Business, Technology, and Society (B.A.) and Health and Human Performance with a Concentration in Sport Administration (M.S.) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the Louisiana Scholars' College with junior standing and pursuing a major in Liberal Arts with a concentration in Business, Technology, and Society.
- An undergraduate GPA of 3.2 or higher.
- Application.

Students must complete all the common curriculum requirements of the Louisiana Scholars' College and the following requirements of the concentration in Business, Technology, and Society; SPHI 3100<sup>1</sup>; SPHI 4200<sup>1</sup>; SSTA 3810; 3 hours of SECO courses at the 3000-level or above<sup>1</sup>; 36 hours of business and technology courses<sup>2</sup>, 18 hours of which must be at the 3000-level or higher; completion of a minor in at least one of Accounting, Business Administration, and Hospitality Management and Tourism. Specific core requirements: SMAT 2000, 2010. 9 hours of academic electives.

Students in the accelerated program must complete the requirements of the M.S. in Health and Human Performance with a Concentration in Sport Administration. They must earn at least one of these undergraduate minors: Accounting, Business Administration, and Hospitality Management and Tourism.

**Master of Science in Health and Human Performance with a Concentration in Sport Administration Requirements:**

Human Performance 5000, 5020, 5140, 5150, 5120, 5130, 5160, 5190, 5220, and 5690.

**Footnotes:**

- <sup>1</sup> May be satisfied by 3 hours of SCTT at the 3000-level.
- <sup>2</sup> Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 2031, 3100, 4010, 4011. No more than 29 hours of courses with the following prefixes may be taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG.

| FIRST YEAR                                  | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 1810, 1820 .....                       | 7         |
| ENGL 1010 .....                             | 3         |
| SCRT 181W .....                             | 3         |
| SMAT2000, 2010 .....                        | 6         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> ..... | 4         |
| SOR 1010 .....                              | 1         |
|                                             | 28        |

| SECOND YEAR                                         | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SCTT 2810, 2820 .....                               | 8         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....              | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....         | 4         |
| Business and Technology courses <sup>3</sup> .....  | 9         |
| SSTA 3810 .....                                     | 3         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
|                                                     | 31        |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....             | 4         |
| Business and Technology courses <sup>3</sup> ..... | 15        |
| SPHI 3100 <sup>4</sup> .....                       | 3         |
| SECO course at 3000-level <sup>4</sup> .....       | 3         |
| Academic Electives .....                           | 6         |
|                                                    | 31        |

| FOURTH YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| Business and Technology courses <sup>3</sup> ..... | 12        |
| Academic Electives .....                           | 3         |
| SPHI 4200 <sup>4</sup> .....                       | 3         |
| Human Performance 5000, 5020, 5150, 5120 .....     | 12        |
|                                                    | 30        |

| FIFTH YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Human Performance 5140 .....                         | 3         |
| Human Performance 5130, 5160, 5190, 5220, 5690 ..... | 15        |
|                                                      | 18        |

Total Semester Hours for Degree ..... 138

**Footnotes:**

- <sup>1</sup> Student must take two of one discipline (life or physical science) and one semester of the other.
- <sup>2</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>3</sup> Chosen from courses with the prefixes ACCT, BMET, BUAD, CIS, CSC, EET, FIN, HMT, IET, MGT, MKTG, RSST, and SECO, and the courses BIOL 2030, 2031, ENGL 3230, 4040, 4740, GEOG 2030, 3031, 3100, 4010, 4011. HP 3320, 4300, 4400, 4410, 4430, SHIS 3730. No more than 29 hours of courses with the following prefixes may be taken: ACCT, BUAD, CIS, FIN, MGT, and MKTG. 20 hours must be at the 3000-level or higher. They must be distributed to earn at least one minor in Accounting, Business Administration, or Hospitality Management and Tourism.
- <sup>4</sup> May be satisfied by 3 hours of SCTT at the 3000-level.

**Accelerated Bachelor of Science in Sport and Recreation Management (879) and Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)**

**Admission Requirements for the Accelerated Bachelor of Science in Sport and Recreation Management (879) and Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)**

Successful applicants of the accelerated B.S. in Sport and Recreation Management (879) and M.S. in Health and Human Performance with a Concentration in Sport Administration (577A) will meet the following criteria, in addition to the admission criteria established by the Graduate School:



- Louisiana Scholars' College student with junior standing and pursuing the joint major in Sport and Recreation Management.
- Grade point average of at least 3.2
- Application

#### **Sport and Recreation Management Requirements:**

Specific core requirements: PSYC 1010; Major requirements: Human Performance 2000, 3300, 3310, 3320, 4200, 4400, 4410, 4470; 9 hours of Health Education 1010, 4500 and 4600; 21 hours of required related courses; and 10 hours of advisor approved electives.

#### **Master of Science in Health and Human Performance with a Concentration in Sport Administration Requirements:**

Human Performance 5000, 5020, 5140, 5150, 5120, 5130, 5160, 5190, 5220, and 5690.

| FIRST YEAR                                                  | SEM. HRS. |
|-------------------------------------------------------------|-----------|
| English 1010, SCRT 181W.....                                | 6         |
| One of SMAT 1820, 1830, 2000, 2010.....                     | 3         |
| Health Education 1010.....                                  | 3         |
| SCTT 1810, 1820.....                                        | 7         |
| Business Administration 1800.....                           | 3         |
| SOR 1010.....                                               | 1         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                      | 4         |
| Accounting 2000.....                                        | 3         |
| Human Performance 2000.....                                 | 3         |
|                                                             | <u>33</u> |
| SECOND YEAR                                                 | SEM. HRS. |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....                      | 8         |
| Business Administration 2200, 3250.....                     | 3         |
| SCTT 2810, 2820.....                                        | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....                 | 8         |
| Management 3220.....                                        | 3         |
| Marketing 3230.....                                         | 3         |
| Psychology 1010.....                                        | 3         |
|                                                             | <u>31</u> |
| THIRD YEAR                                                  | SEM. HRS. |
| Human Performance 3300, 3310, 3320, 4300, 4400.....         | 15        |
| Human Performance, 4410, 4430, 4470.....                    | 9         |
| Academic Electives.....                                     | 4         |
| Health Education 4500.....                                  | 3         |
|                                                             | <u>31</u> |
| FOURTH YEAR                                                 | SEM. HRS. |
| Academic Electives.....                                     | 6         |
| Health Education 4600.....                                  | 3         |
| Business Administration 4190 or Marketing 4200 or 4600..... | 3         |
| SLSC 4900.....                                              | 1         |
| Human Performance 5000, 5020, 5150, 5120.....               | 12        |
|                                                             | <u>25</u> |
| FIFTH YEAR                                                  | SEM. HRS. |
| Human Performance 5140.....                                 | 3         |
| Human Performance 5130, 5160, 5190, 5220, 5690.....         | 15        |
|                                                             | <u>18</u> |
| Total Semester Hours for Degree.....                        | 138       |

#### **Liberal Arts Major (220)**

Students seeking a degree in liberal arts, outside of the Louisiana Scholars' College must complete 68 hours within the 120 semester hour liberal arts curriculum, which include: 15 hours of courses at the 1000 and 2000 level from the College of Arts and Sciences, 27 hours of courses at the 3000 and 4000 level from the College of Arts and Sciences or from a concentration area, and 26 hours selected from a concentration area or from courses within the College of Arts and Sciences. Degrees outside the Louisiana Scholars' College

will be administered by the College of Arts and Sciences (Fine and Performing Arts; Foreign Language; Humanities and Social Thought; Philosophy, Politics, and Law; and Scientific Inquiry). Refer to the College of Arts and Sciences section of the catalog for specific requirements.

#### **Joint Major Programs**

All students must complete the Common Curriculum; specific core choices as well as support courses required for individual majors are indicated with the major courses and the number of electives. Majors requiring a minor are also indicated. Students in all majors complete a senior thesis in their area; the thesis is listed as a support course unless it is substituted for courses in the major.

#### **Accounting Joint Major**

##### **Accounting Joint Major Requirements: (72 semester hours)**

Students seeking a major in Accounting must complete 72 semester hours within the Accounting curriculum, which include Accounting 1040, 2000, 2010, 3060, 3080, 3180, 3190, 4020, 4080, six semester hours of advanced accounting electives; Business Administration 1800, 2200, 3270; Business Law 2250, 3260; SSTA 3810; Computer Information Systems 2000, 3100; Management 3220, 3580, 4300; Marketing 3230; Finance 3090; support courses: SECO 2810; SBUS 4000, 480T, 482T.

##### **Curriculum for Accounting (800)**

| FIRST YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                | 7         |
| ENGL 1010.....                                      | 3         |
| SCRT 181W.....                                      | 3         |
| SSTA 3810; 1 from SMAT 1820 or 2000.....            | 6         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....              | 4         |
| SOR 1010.....                                       | 1         |
| Accounting 1040.....                                | 3         |
| Business Administration 1800.....                   | 3         |
| Computer Information Systems 2000.....              | 3         |
|                                                     | <u>33</u> |
| SECOND YEAR                                         | SEM. HRS. |
| SCTT 2810, 2820.....                                | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....              | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....         | 4         |
| Accounting 2000, 2010.....                          | 6         |
| Business Administration 2200.....                   | 3         |
| SECO 2810.....                                      | 4         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                     | <u>36</u> |
| THIRD YEAR                                          | SEM. HRS. |
| SBUS 4000.....                                      | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....         | 4         |
| Accounting 3080, 3180, 3190.....                    | 9         |
| Business Law 2250.....                              | 3         |
| Computer Information Systems 3100.....              | 3         |
| Finance 3090.....                                   | 3         |
| Management 3220, 3580.....                          | 6         |
| Marketing 3230.....                                 | 3         |
|                                                     | <u>32</u> |
| FOURTH YEAR                                         | SEM. HRS. |
| SBUS 480T, 482T.....                                | 5         |
| SLSC 4900.....                                      | 1         |
| Accounting 3060, 4020, 4080.....                    | 9         |
| Accounting electives.....                           | 6         |
| Business Administration 3270.....                   | 3         |
| Business Law 3260.....                              | 3         |
| Management 4300.....                                | 3         |
|                                                     | <u>30</u> |

Total Semester Hours for Degree .....131

Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science and labs) and one semester of the other.

### Addiction Studies Joint Major

**Addiction Studies Joint Major Requirements:** Specific core requirements: SBIO 1830, 1831, 1850, 1851; SSTA 3810; support courses: SLSC 4000, SHUM 480T, 482T; major courses—Addiction Studies 1010, 2050, 2430, 2450, 3010, 3020, 4040, 4450, 4490, 4500, 4510 or PSYC 4510; Psychology 1010, 2050, 2430, 3010, 4440, 4450, 4700. Majors may not count any grade in Addiction Studies and Psychology courses lower than C towards the major curriculum.

The LSC thesis courses, SLSC 4000, SHUM 480T, 482T, replace additional Psychology and Addiction Studies electives and must be on a topic in addiction studies.

**Available Concentrations:**

**Industrial Organizational Behavior** (15 semester hours): PSYC 4500; MGT 3220; MGT 4270; MGT 4320; MGT 4500; PSYC 4600 (optional).

**Curriculum for Addiction Studies (895)**

| FIRST YEAR                            | SEM. HRS. |
|---------------------------------------|-----------|
| SCTT 1810, 1820 .....                 | 7         |
| SCRT 181W .....                       | 3         |
| Addiction Studies 1010 .....          | 3         |
| SBIO 1830, 1831, 1850, 1851 .....     | 8         |
| English 1010 .....                    | 3         |
| 1 from SMAT 1820, 1830, or 2000 ..... | 3         |
| Psychology 1010 .....                 | 3         |
| SOR 1010 .....                        | 1         |
|                                       | 31        |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820 .....                       | 8         |
| SSTA 3810 .....                             | 3         |
| SCHM 1840, 1841 or SPHY 1830, 1831 .....    | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 4         |
| Addiction Studies 2050, 2430 .....          | 6         |
| Psychology 2050, 2430 .....                 | 6         |
|                                             | 31        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SLSC 4000 .....                                      | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....          | 4         |
| Addiction Studies 2450, 3010, 3020, 4040, 4490 ..... | 15        |
| Academic Electives <sup>2</sup> .....                | 3         |
| Psychology 3010, 4440 .....                          | 6         |
|                                                      | 29        |

| FOURTH YEAR                                      | SEM. HRS. |
|--------------------------------------------------|-----------|
| SHUM 480T, 482T .....                            | 5         |
| SLSC 4900 .....                                  | 1         |
| Addiction Studies 4450, 4500, AS/PSYC 4510 ..... | 9         |
| Academic Electives <sup>2</sup> .....            | 8         |
| Psychology 4450, 4700 .....                      | 6         |
|                                                  | 29        |

Total Semester Hours for Degree ..... 120

Footnotes:

- <sup>1</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Electives may be used to satisfy the concentration in Industrial Organizational Behavior (395A).

### Applied Microbiology Joint Major

The NSU Department of Biology and Microbiology offers a wide assortment of microbiology courses that incorporate regulatory, ethical and solution based concepts in all courses. The scope of microbiology is vast and the program offers a core of applied microbiology with concentrations in both environmental and medical-health related areas. Each concentration allows students with different interests to obtain the proper training necessary to pursue their specific career interests.

**Applied Microbiology Joint Major Requirements:** (76 semester hours) Students seeking a major in Applied Microbiology must complete the following:

**Applied Microbiology Core:** 33 semester hours of SBIO 1830-1831, 1850-1851; BIOL 2060-2061, 2090-2091, 4930, 4990, 4995; SCHM 1840-1841, 1860-1861; SLSC 4000; SSCI 480T, 482T on a microbiology topic.

**Concentration-dependent courses:** 23 semester hours in one of two available concentrations.

**Applied Microbiology electives:** 20 semester hours from BIOL 2050-2051, 2190, 2200-2201, 3010-3011, 3090-3091, 3110, 3130, 3290, 4120-4121, 4190-4191, 4210-4211, 4260-4261, 4270, and 4940.

**Available Concentrations:**

**Environmental and Applied Microbiology (819A):** choose 23 semester hours from BIOL 2030-2031, 2100-2101, 2120-2121, 2150-2151, 2180, 2290, 2300, 2500, 2990, 3040-3041, 3080, 3220-3221, 3340-3341, 3830-3831, 4040-4041, 4160-4161, 4170-4171, 4400-4401, 4500, 4960; CHEM 2110-2111, 2120-2121; RSST 2010, 3010, 4010; SCHM 4810; SSTA 3810.

**Medical and Health Profession (819B):** choose 23 semester hours from BIOL 1060, 2080-2081, 3020, 3170-3171, 3250-3251, 3270-3271, 3310-3311, 3320-3321, 3830-3831, 4060-4061, 4070, 4130, 4160-4161, 4220-4221, 4230, 4280, 4300-4301, 4320, 4340; CHEM 2110-2111, 2120-2121, 4050; SCHM 4810; SSTA 3810.

**Curriculum for Applied Microbiology (819)**

| FIRST YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| SBIO 1830, 1831, 1850, 1851 .....    | 8         |
| Biology <sup>1</sup> 2060-2061 ..... | 4         |
| SMAT 2000, 2010 .....                | 6         |
| SCTT 1810, 1820 .....                | 7         |
| SOR 1010 .....                       | 1         |
| English 1010, SCT 181W .....         | 6         |
|                                      | 32        |

| SECOND YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| Biology <sup>1</sup> 2090-2091 .....                 | 4         |
| SCHM 1840-1841, 1860-1861 .....                      | 8         |
| Concentration-dependent courses <sup>1,3</sup> ..... | 8         |
| SCTT 2810, 2820 .....                                | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....          | 4         |
|                                                      | 32        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050 .....  | 3         |
| SLSC 4000 .....                                      | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS .....                       | 4         |
| Biology 49301 .....                                  | 3         |
| Concentration-dependent courses <sup>1,3</sup> ..... | 8         |
| Applied Microbiology electives <sup>4</sup> .....    | 9         |
|                                                      | 28        |

| FOURTH YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| SSCI 480T, 482T.....                                 | 5         |
| SLSC 4900.....                                       | 1         |
| Biology 4990, 4995.....                              | 6         |
| Applied Microbiology electives <sup>4</sup> .....    | 11        |
| Concentration-dependent courses <sup>1,3</sup> ..... | 7         |
|                                                      | <u>30</u> |

Total Semester Hours for Degree ..... 122

**Footnotes:**

- <sup>1</sup> This curriculum is sufficient to earn a B.S. degree in applied microbiology. Refer to Pre-Professional programs for additional requirements.
- <sup>2</sup> Student majoring in Applied Microbiology must earn a grade of C or better in all Applied Microbiology core and concentration-dependent courses.
- <sup>3</sup> Refer to concentration requirements.
- <sup>4</sup> Refer to the list of Applied Microbiology electives.

## Biology Joint Major

**Biology Joint Major Requirements:** core requirements: SBIO 1830-1831, 1850-1851; SCHM 1840-1841, 1860-1861; SECL 1910-1911 or 1920-1921; SMAT 2000, 2010. Support courses: SCHM 3810-3811; 3 hours of science research seminar; SLSC 4000; SSCI 480T, 482T on a biology topic. **Concentration-dependent courses:** 32 semester hours in one of six available concentrations (except for 838V which requires 55 semester hours and 838U which requires 42).

**Biology electives:** SLSC 4000, SSCI 480T and SSCI 482T replace additional Biology electives and must be on a biological topic.

### Available Concentrations:

**Agribusiness (838U):** Select 15 semester hours from BIOL 1050, 2040, 2290, 3030, 3050, 3080, 3220-3221, 3340-3341, 3630, 3830-3831, 4040-4041, 4150; AGMT 2000. Select 15 semester hours from BIOL 2100-2101, 2120-2121, 2140-2141, 2150-2151, 2180, 2990, 4170-4171, 4400. Take 27 semester hours from ACCT 1040; BUAD 2120, 2200, 3250; CIS 1090; MGT 3220, 3580; MKTG 3230; and one advanced business elective.

**Biomedical (838A):** Select 32 hours from BIOL 1060, 2060-2061, 2080-2081, 2090-2091, 2300, 2500, 3020, 3080, 3170-3171, 3210-3211, 3250, 3270-3271, 3280, 3290, 3310-3311, 3320-3321, 3830-3831, 4050, 4060-4061, 4120-4121, 4160-4161, 4190-4191, 4220-4221, 4230, 4240, 4260-4261, 4270, 4280, 4300-4301, 4310-4311, 4320, 4340, 4410, 4500, 4700; SCHM 3820-3821, 4810; or SSTA 3810.

**Clinical Laboratory Science (838T):** This concentration requires acceptance into an affiliated training program approved by the Council on Allied Health Education and Accreditation. Enrollment in this concentration does not guarantee acceptance into the training program. You must take BIOL 2060-2061, 4190-4191, 4730, 4740, 4750, 4760, 4770, 4780, 4790, and either SCHM 3820-3821 or SCHM 4810.

**Forensic Investigation (838W):** Select 16 semester hours from BIOL 2060-2061, 2070-2071, 2500, 3060-3061, 3080, 3270-3271, 3310-3311, 3320-3321, 3500-3501, 4300-4301, CHEM 2110-2111, 2120-2121, 3010-3011, 4040-4041, 4050 or 4160-4161. Select 16 semester hours from CJ 1100, 2300, 2600, 3360, 4000, 4450, 4460 and 4470.

**Veterinary Technology (838V):** Take BIOL 2060-2061; VTEC 1010-1011, 1020, 1030-1031, 2060, 2090-2091, 2600, 2900, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090, and 4200.

**Wildlife Biology and Conservation (838X):** Select from BIOL 1050, 2030-2031, 2050-2051, 2080-2081, 2100-2101, 2120-2121, 2140-2141, 2150-2151, 2180, 2290, 2500, 2990, 3010-3011, 3040-3041, 3060-3061, 3070, 3080, 3140-3141, 3210-3211, 3220-3221, 3280, 3340-3341, 3630, 4040-4041, 4170-4171, 4180-4181, 4220-4221, 4240, 4400-4401, 4410, 4500, or 4960; RSST 2010, 3010, 4010.

## Curriculum for Biology (838)

| FIRST YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                | 7         |
| ENGL 1010.....                                      | 3         |
| SCRT 181W.....                                      | 3         |
| SMAT 2000, 2010.....                                | 6         |
| SBIO 1830, 1831, 1850, 1851.....                    | 8         |
| SOR 1010.....                                       | 1         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
|                                                     | <u>31</u> |

| SECOND YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| SCTT 2810, 2820.....                                 | 8         |
| SCHM 1840, 1841, 1860, 1861.....                     | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....          | 4         |
| Concentration-dependent courses <sup>2,3</sup> ..... | 10        |
|                                                      | <u>30</u> |

| THIRD YEAR                                           | SEM. HRS.    |
|------------------------------------------------------|--------------|
| SLSC 4000.....                                       | 1            |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....          | 4            |
| SCHM 3810, 3811.....                                 | 5            |
| Biology electives <sup>1</sup> .....                 | 3            |
| Concentration-dependent courses <sup>2,3</sup> ..... | 10-12        |
| Science research seminar.....                        | 3            |
| Additional electives.....                            | 2            |
|                                                      | <u>28-30</u> |

| FOURTH YEAR                                          | SEM. HRS.    |
|------------------------------------------------------|--------------|
| SSCI 480T, 482T.....                                 | 5            |
| SLSC 4900.....                                       | 1            |
| Biology electives <sup>1</sup> .....                 | 4            |
| Concentration-dependent courses <sup>2,3</sup> ..... | 12           |
| Additional electives.....                            | 7-9          |
|                                                      | <u>29-31</u> |

Total Semester Hours for Degree..... 120

**Footnotes:**

- <sup>1</sup> Optimal sequencing of courses may vary by concentration and preparation for professional school may require additional courses. Please see your advisor.
- <sup>2</sup> Students majoring in Biology must earn a grade of C or better in all Biology Joint Major Requirements and concentration-dependent courses.
- <sup>3</sup> Refer to the different biology concentrations requirements.
- <sup>4</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>5</sup> Thesis must be on a biological topic and replaces 6 hours of Biology electives.

## Business Administration Joint Major

**Business Administration Joint Major Requirements:** specific core requirements – SSTA 3810 and one of SMAT 1820 or 2000; 72 semester hours which include Accounting 2000, 2010; Business Administration 1800, 2120, 2200, 3270; SSTA 3810; Computer Information Systems 2000, 3100; Finance 2150, 3090, 4200; Management 3220, 3580, 4300; Marketing 3230; six semester hours of business electives<sup>1</sup>; 18 semester hours of advanced business electives<sup>2</sup>, including SBUS 4000, 480T, 482T.

### Available Concentrations:

**Business Analytics (810M):** (24 semester hours) CIS 1030, 2980, 4000, 4070; Choose 12 hours from ACCT 4220, ACCT 4320, BUAD 3120, BUAD 4910, MGT 3500, MGT 4450, MGT 4460, and MKTG 4440.

**Entrepreneurship (810N):** (24 semester hours) BUAD 4190; Choose 21 hours from BLAW 3260, BUAD 4000 (05), BUAD 4910, CIS 4840, CIS 4930, FIN 4120, FIN 4220, MGT 4450, MGT 4460, MGT 4500, MGT 4700, MKTG 4370, and MKTG 4500.

**Finance (810B):** (23 semester hours) BUAD 4900; FIN 2150, 3090, 3100, 4200; 9 hours of advanced finance electives. BUAD 4910 may count as an advanced finance elective.

**Human Resources (810P):** (24 semester hours) MGT 2500, 3220, 4270, 4280, 4300, 4350, and 4500; 3 hours from BUAD 4910, PSYC 4500, or UPSA 2000.

**International Business (810L):** (27 semester hours) BUAD 3270, 4160, 4900; MGT 4350, 4700; 6 hours of foreign language; 6 hours from BUAD 4000, BUAD 4910, FIN 4050, MGT 4450, MGT 4460 and MKTG 4600

**Management (810C):** (24 semester hours) MGT 3220, 3580, 4330, 4320, 4500, and 9 hours of advanced management electives. BUAD 4910 may count as an advanced management elective.

**Marketing (810D):** (23 semester hours) BUAD 4900, MKTG 3230, and 18 hours of advanced marketing electives. BUAD 4910 may count as an advanced marketing elective.

**Pre-Law (Business) (810Q):** (24 semester hours) BLAW 2250, BLAW 3260, PLPS 4020, PLPS 4090; Choose 9 hours from BLAW 3270, BLAW 3280, BLAW 3290, BLAW 3300, FIN 3150, HMT 4150, MGT 4270, MGT 4280, PLPS 3050, PLPS 3060, and SECO 3850. Choose 3 hours from ANTH 3070, ANTH 3120, BIOL 2990, COMM 2040, CJ 3070, CJ 4450, HP 3000, PSCI 3090, PSCI 4060, SLSC 2000 (Literature and the Law), SOWK 4270, UPSA 4400, and any PLPS 3000 or 4000 level classes.

#### Footnotes:

- <sup>1</sup> A business elective is any course in business administration, accounting, finance, management, or marketing.
- <sup>2</sup> An advanced business elective is any 3000 or 4000 level business administration, accounting, finance, management, marketing, or SBUS course.
- <sup>3</sup> For a total of 12 hours of a single modern foreign language (SFRE, SRUS, SSPN).

### Curriculum for Business Administration (810)

| FIRST YEAR                                 | SEM. HRS. |
|--------------------------------------------|-----------|
| SCTT 1810, 1820 .....                      | 7         |
| ENGL 1010 .....                            | 3         |
| SCRT 181W .....                            | 3         |
| SSTA 3810 and 1 from SMAT 1820, 2000 ..... | 6         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....     | 8         |
| SOR 1010 .....                             | 1         |
| Business Administration 1800 .....         | 3         |
| Computer Information Systems 2000 .....    | 3         |
|                                            | 34        |

| SECOND YEAR                              | SEM. HRS. |
|------------------------------------------|-----------|
| SCTT 2810, 2820 .....                    | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....   | 4         |
| SSPN/SFRE/RUS <sup>1</sup> .....         | 4         |
| SECO 2810 .....                          | 4         |
| Accounting 2000, 2010 .....              | 6         |
| Business Administration 2120, 2200 ..... | 6         |
| Finance 2150 .....                       | 3         |
|                                          | 35        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SBUS 4000 .....                                      | 1         |
| SSPN/SFRE/SRUS <sup>1</sup> .....                    | 4         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
| Business Administration 3270 .....                   | 3         |
| Business Elective .....                              | 3         |
| Computer Information Systems 3100 .....              | 3         |
| Finance 3090, 4200 .....                             | 6         |
| Management 3220, 4320 .....                          | 6         |
| Marketing 3230 .....                                 | 3         |
|                                                      | 32        |

| FOURTH YEAR                                    | SEM. HRS. |
|------------------------------------------------|-----------|
| SBUS 480T, 482T .....                          | 5         |
| SLSC 4900 .....                                | 1         |
| Advanced business electives <sup>3</sup> ..... | 12        |
| Business elective .....                        | 3         |
| Business Administration 4900 .....             | 2         |
| Management 3580, 4300 .....                    | 6         |
|                                                | 29        |

Total Semester Hours for Degree ..... 130

#### Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science and labs) and one semester of the other.
- <sup>3</sup> Thesis (SBUS 4000, 480T, and 482T) must be on a business topic and replaces 6 credit hours of advanced business electives.

### Child and Family Studies Joint Major

**Child and Family Studies Joint Major Requirements:** A major in Child and Family Studies requires successful completion of 120 total semester hours. The degree includes a 35-hour set of major requirements and a 24-hour CFS concentration. Students must earn a grade of "C" or higher in all major requirements and concentration coursework. Students must take EPSY 2020 as their Scholars' core behavioral science course. The CFS program does not lead to a Louisiana teaching license.

**CFS Joint Major Requirements:** (35 hours): CFS 1070, 2000, 2040, 3020, 3030, 3500, 4010, 4160, and 4500; HED 1010; and PSYC 2050. Students must earn a grade of "C" or higher in all major requirement coursework.

#### Available Concentrations:

**Child Development and Family Relations (847E):** (24 semester hours) CFS 2090, 2500, 3700, 4080 or 4140; NUTR 1070; SPED 3460; and 6 semester hours of approved electives. (Note: An approved elective is any course in Child and Family Studies, Culinary Arts, Early Childhood Education, Family and Consumer Sciences, Hospitality Management and Tourism, and Nutrition). Students must earn a grade of "C" or higher in all concentration coursework.

**Consumer Services (847C):** (24 semester hours) BUAD 1040; CFS 4080, 4140; MGT 2500; NUTR 1030; and 9 semester hours of approved Child and Family Studies electives. (Note: A Child and Family Studies elective is any course in Child and Family Studies, Culinary Arts, Early Childhood Education, Family and Consumer Sciences, Hospitality Management and Tourism, and Nutrition). Students must earn a grade of "C" or higher in all concentration coursework.

### Curriculum for Child and Family Studies (847)

| FIRST YEAR                                        | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 1070, 2000 .....         | 6         |
| Child and Family Studies concentration area ..... | 6         |
| English 1010, SCRT 181W .....                     | 6         |
| SCTT 1810, 1820 .....                             | 7         |
| Health Education 1010 .....                       | 2         |
| SOR 1010 .....                                    | 1         |
|                                                   | 28        |

| SECOND YEAR                                     | SEM. HRS. |
|-------------------------------------------------|-----------|
| Child and Family Studies 2040, 3020 .....       | 6         |
| SCTT 2810, 2820 .....                           | 8         |
| Educational Psychology 2020 .....               | 3         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 ..... | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....          | 8         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....     | 4         |
|                                                 | 32        |

| THIRD YEAR                                        | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 3030, 3500 .....         | 6         |
| Child and Family Studies concentration area ..... | 9         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....       | 4         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....            | 4         |
| Psychology 2050 .....                             | 3         |
| SLSC 4000 .....                                   | 1         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 .....   | 3         |
|                                                   | 30        |

| FOURTH YEAR                                       | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 4010, 4160, 4500 .....   | 12        |
| Child and Family Studies concentration area ..... | 9         |
| Electives .....                                   | 3         |

|                       |    |
|-----------------------|----|
| SLSC 4900.....        | 1  |
| SHUM 480T, 482T ..... | 5  |
|                       | 30 |

Total Semester Hours for Degree..... 120

**Footnotes:**

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.

## Communication Joint Major

**Communication Joint Major Requirements:** (48 semester hours) Students seeking a major in Communication must complete 21 semester hours in the Communication Core and 27 semester hours in one of three available concentrations, within the 120 semester hour Communication curriculum. Communication core courses include: Communication 1040, 2020, 2040, 2510, 3260, 4700, and 4910. Support courses: SLSC 4000, SHUM 480T, 482T.

All students enrolled in the Communication major must select a minor. Students who complete a second major outside of Communication have satisfied the minor requirement. Consult the University Catalog for specific course requirements for each minor or second major. A “C” or better is required for all Communication classes to complete requirements for graduation.

**Available Concentrations:**

**Journalism, Broadcast and Digital Media Production (826H):** Communication 2440; 6 hours selected from Communication 2400, 2530, 2610; Communication 3430 or 3520; Communication 4230; 12 hours of Communication electives.

**Sport Media (826I):** Communication 2440, 2110; Communication 3510 or 3520; Communication 3500 or 3650; Communication 4500 or 4230; 12 hours of Communication electives.

**Strategic Communication (826E):** Communication 2500, 2360, 3510, 3600, 4310 or 4660; and twelve (12) semester hours of Communication electives.

### Curriculum for Communication (826)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                 | 7         |
| ENGL 1010.....                                       | 3         |
| SCRT 181W.....                                       | 3         |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810..... | 6         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....               | 8         |
| SOR 1010 .....                                       | 1         |
|                                                      | 28        |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820.....                        | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....      | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 8         |
| COMM 2510.....                              | 3         |
| Concentration.....                          | 6         |
|                                             | 29        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Academic electives .....                             | 10        |
| SLSC 4000.....                                       | 1         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
| Communication 2040 .....                             | 3         |
| Concentration.....                                   | 12        |
| English 3230 .....                                   | 3         |
|                                                      | 32        |

| FOURTH YEAR                        | SEM. HRS. |
|------------------------------------|-----------|
| SHUM 480T, 482T <sup>3</sup> ..... | 5         |
| SLSC 4900.....                     | 1         |

|                         |    |
|-------------------------|----|
| Communication 3260..... | 3  |
| Concentration .....     | 12 |
| Academic electives..... | 10 |
|                         | 31 |

Total Semester Hours for Degree..... 120

**Footnotes:**

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.
- <sup>3</sup> Replaces communication capstone courses: COMM 4700 and 4910.

## Computer Information Systems Joint Major

**Computer Information Systems Joint Major Requirements:** (85 semester hours) Students seeking a major in Computer Information Systems must complete 85 semester hours, which include:

Specific core requirements: SMAT 1820 or 2000; SSTA 3810. Additional Scholars' requirements: (6 hours) SBUS 4000, 480T, 482T.

Support courses: (36 hours) ACCT 2000, 2010; BLAW 2250 or 3280, BUAD 2120, 2200, 3270, 4900; CIS 1090; FIN 3090; MGT 3220; MKTG 3230; SECO 2810.

Computer Information Systems core: (18 hours) CIS 1015, 1030, 2980, 3020, 3900, 4600.

Computer Information Systems concentration: (24 hours).

**Available Concentrations:**

**Application Development (802A):** (27 semester hours) CIS 3300, 3970, 4000, 4020, 4060, and 4 CIS electives (12 semester hours) from any CIS class, except CIS 1010, 1060, 2000, 3050, 3100, and 4050. CSC 1060, CSC 2060, and other CSC classes may also count as CIS electives.

**Information Systems Management (802H):** (27 semester hours) CIS 4840, 4850, 4930; FIN 4200 or FIN 4320; 1 class from CIS 3300, 4000, 4910; 1 class from CIS 4020, 4070, 4900; 1 class from BUAD 3120, CIS 3970, MGT 3580, MGT 4500; and 2 CIS electives (6 semester hours) from any CIS class, except CIS 1010, 1060, 2000, 3050, 3100, and 4050.

**Networking and Cyber Security (802I):** (27 semester hours) CIS 2080, 2090, 3400, 3700, 3800, 3980; 2 classes from CIS 3410, 4040, 4080, 4220, or 4930; and 1 CIS elective from any CIS class except CIS 1010, 1060, 2000, 3050, 3100, and 4050.

### Curriculum for Computer Information Systems (802)

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Computer Information Systems 1015, 1030..... | 6         |
| Business Administration 2120 .....           | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....       | 4         |
| ENGL 1010 .....                              | 3         |
| SCRT 181W .....                              | 3         |
| SCTT 1810, 1820 .....                        | 7         |
| SMAT 1820 or 2000 .....                      | 3         |
| SOR 1010.....                                | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....  | 4         |
|                                              | 34        |

| SECOND YEAR                                      | SEM. HRS. |
|--------------------------------------------------|-----------|
| Business Administration 2200 .....               | 3         |
| Computer Information Systems 1090, 2980.....     | 6         |
| Computer Information Systems concentration ..... | 6         |
| SCTT 2810, 2820 .....                            | 8         |
| SECO 2810 .....                                  | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....      | 4         |
| SSTA 3810 .....                                  | 3         |
|                                                  | 34        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Accounting 2000, 2010 .....                          | 6         |
| Business Administration 3270 .....                   | 3         |
| Business Law 2250 .....                              | 3         |
| Computer Information Systems 3020 .....              | 3         |
| Computer Information Systems concentration .....     | 9         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....               | 8         |
| SBUS 4000 .....                                      | 1         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
|                                                      | <u>36</u> |

| FOURTH YEAR                                      | SEM. HRS. |
|--------------------------------------------------|-----------|
| Computer Information Systems concentration ..... | 12        |
| Computer Information Systems 3900, 4600 .....    | 6         |
| Finance 3090 .....                               | 3         |
| Management 3220 .....                            | 3         |
| Marketing 3230 .....                             | 3         |
| SBUS 480T, 482T .....                            | 5         |
| SLSC 4900 .....                                  | 1         |
|                                                  | <u>33</u> |

Total Semester Hours for Degree ..... 137

Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.

### Criminal Justice Joint Major

**Criminal Justice Joint Major Requirements:** (57 semester hours) Students seeking a major in Criminal Justice must complete 57 semester hours within the 120 semester hour Criminal Justice curriculum, which include Criminal Justice 1100, 2300, 2400, 2500, 2600, 2110 or 3040, 2800 or 3090, 3355, 3380, three hours of advanced Criminal Justice (courses at 3000-level) 4200, 4475, 4480, and twelve hours of advanced Criminal Justice (courses at 4000-level); Sociology 3030 or 3230, and 4080.

### Curriculum for Criminal Justice (850)

| FIRST YEAR                                            | SEM. HRS. |
|-------------------------------------------------------|-----------|
| SCTT 1810, 1820 .....                                 | 7         |
| ENGL 1010 .....                                       | 3         |
| SCRT 181W .....                                       | 3         |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                | 8         |
| SOR 1010 .....                                        | 1         |
| Criminal Justice 1100, 2300 .....                     | 6         |
|                                                       | <u>31</u> |

| SECOND YEAR                                     | SEM. HRS. |
|-------------------------------------------------|-----------|
| SCTT 2810, 2820 .....                           | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....          | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....     | 4         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810 ..... | 3         |
| Psychology 1010 .....                           | 3         |
| Criminal Justice 2400, 2500, 2600 .....         | 9         |
|                                                 | <u>31</u> |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....        | 4         |
| SLSC 4000 .....                                    | 1         |
| Criminal Justice 2110 or 3040 .....                | 3         |
| Criminal Justice 2800 or 3090 .....                | 3         |
| SOC 3030 or 3230 .....                             | 3         |
| 3000-level Advanced CJ Elective <sup>3</sup> ..... | 3         |
| Criminal Justice 3355, 3380 .....                  | 6         |
| Electives .....                                    | 2         |
| Political Science 2010 or 3090 .....               | 3         |
|                                                    | <u>28</u> |

| FOURTH YEAR                                         | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SHUM 480T, 482T .....                               | 5         |
| SLSC 4900 .....                                     | 1         |
| Criminal Justice 4200, 4475, 4480 .....             | 9         |
| 4000-level Advanced CJ Electives <sup>3</sup> ..... | 12        |
| Sociology 4080 .....                                | 3         |
|                                                     | <u>30</u> |

Total Semester Hours for Degree ..... 120

Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Students must take two of one discipline (life or physical science) and one semester of the other.
- <sup>3</sup> An advanced Criminal Justice Elective is any Criminal Justice, Unified Public Safety Administration, or Pre-Law and Pre-Legal Services course at the specified level.

### Dance Joint Major

**Dance Joint Major Requirements:** Students seeking a joint major in Dance must complete 74 semester hours within the 132 semester hour Dance Joint Major curriculum, which include a 40 semester hour Dance Core, 32 semester hours of Dance Technique<sup>1</sup>, and 2 semester hours of Dance Electives.

**Dance Core:** (40 semester hours) Dance 1000, 1660, 1710, 1720, 2050, 2590, 3560, 3570, 3590, 3800, 4100, 4400, one semester hour from Dance 1800 or 1900, two semester hours from Dance 3180 or 3280, three semester hours from Theatre 3340 or 3350, one semester hour from Dance 2800 or 2900, two semester hours from Dance 4180 or 4280.

**Dance Technique:** (32 semester hours) sixteen semester hours from: Dance 1020, 2020, 3020, 4020 and sixteen semester hours from: Dance 1030, 2030, 3030, 4030.

**Support Courses:** 2 semester hours of Dance Electives, SOR 1010, SLSC 4000, SFPA 480T, 482T<sup>1</sup>.

Footnote:

- <sup>1</sup> Thesis must focus on a topic related to Dance and may be a performance-based thesis project related to the Senior Concert.

### Curriculum for Dance (817)

| FIRST YEAR                         | SEM. HRS. |
|------------------------------------|-----------|
| English 1010 .....                 | 3         |
| SCRT 181W .....                    | 3         |
| SCTT 1810, 1820 .....              | 7         |
| SOR 1010 .....                     | 1         |
| Dance Technique <sup>1</sup> ..... | 8         |
| DAN 1000 .....                     | 1         |
| DAN 1710 .....                     | 3         |
| DAN 1660 .....                     | 2         |
| DAN 1720 .....                     | 3         |
| DAN 1800 or DAN 1900 .....         | 1         |
|                                    | <u>32</u> |

| SECOND YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Natural Sciences <sup>2</sup> ..... | 4         |
| Foreign Language <sup>3</sup> ..... | 4         |
| SCTT 2810, 2820 .....               | 8         |
| Dance Technique <sup>1</sup> .....  | 8         |
| DAN 3180 or DAN 3280 .....          | 2         |
| THEA 3340 or THEA 3350 .....        | 3         |
| DAN 2590 .....                      | 2         |
| DAN 2800 or DAN 2900 .....          | 1         |
|                                     | <u>32</u> |

| THIRD YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| Natural Sciences <sup>2</sup> ..... | 8         |
| Foreign Language <sup>3</sup> ..... | 4         |
| Dance Technique <sup>1</sup> .....  | 8         |
| DAN 3560 .....                      | 3         |
| DAN 2050 .....                      | 3         |
| DAN 3570 .....                      | 3         |
| DAN 4180 or DAN 4280 .....          | 2         |
| DAN 3590 .....                      | 3         |
| SLSC 4000 <sup>4</sup> .....        | 1         |
|                                     | <u>35</u> |

| FOURTH YEAR                                            | SEM. HRS. |
|--------------------------------------------------------|-----------|
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050 .....    | 3         |
| 2 from SMAT 1820, 2830, 2000, 2010; or SSTA 3810 ..... | 6         |
| SLSC 4900 .....                                        | 1         |
| Dance Technique <sup>1</sup> .....                     | 8         |
| DAN 3800 .....                                         | 3         |
| DAN 4400 .....                                         | 2         |
| DAN 4100 .....                                         | 3         |
| Dance Electives .....                                  | 2         |
| SFPA 480T, 482T <sup>4</sup> .....                     | 5         |
|                                                        | <u>33</u> |

Total Semester Hours for Degree ..... 132

Footnotes:

- 1 Dance Technique refers to four credit hours in Ballet Technique and four credit hours in Modern Technique required every year.
- 2 Two of one discipline (life or physical science) and one semester of the other.
- 3 All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 4 Thesis must focus on a topic related to Dance and may be a performance-based thesis project related to the Senior Concert.

## Electronics Engineering Technology Joint Major

**Electronics Engineering Technology Joint Major Requirements:** (66-69 semester hours) Students seeking a major in Electronics Engineering Technology must complete 66-69 semester hours, within the 130 semester hour Electronics Engineering Technology curriculum, which include the 46 semester hour Electronics Engineering Technology core and a 20-23 semester hour concentration.

**Core:** (46 semester hours) Electronics Engineering Technology 1300-1301, 1320-1321, 1330-1331, 2320-2321, 2330-2331, 2350-2351, 3310-3311, 3360-3361, 4300-4301, 4940 or IET 4940; Industrial Engineering Technology 1400, 1700, 3740.

### Available Concentrations:

**Electronics (843A):** (20 semester hours): Electronics Engineering Technology 4310-4311, 4350-4351, 4390, 4950; Industrial Engineering Technology 2790; and three additional hours of technical electives.

**Biomedical (843B):** (23 semester hours): Biomedical Engineering Technology 3320-3321, 3370-3371, 4390-4391, 4950 (3 hours); Biology 2250-2251, 2260-2261.

### Curriculum for Electronics Engineering Technology (843)

| FIRST YEAR                                                                  | SEM. HRS. |
|-----------------------------------------------------------------------------|-----------|
| SCTT 1810, 1820 .....                                                       | 7         |
| ENGL 1010 .....                                                             | 3         |
| SCRT 181W .....                                                             | 3         |
| SMAT 2000, 2010, SSTA 3810 .....                                            | 9         |
| SOR 1010 .....                                                              | 1         |
| Electronics Engineering Technology 1300, 1301, 1320, 1321, 1330, 1331 ..... | 12        |
| Industrial Engineering Technology 1400, 1700 .....                          | 4         |
|                                                                             | 39        |

| SECOND YEAR                                                                | SEM. HRS. |
|----------------------------------------------------------------------------|-----------|
| SCTT 2810, 2820 .....                                                      | 8         |
| Biological Sciences <sup>3</sup> .....                                     | 0-8       |
| Electronics Engineering Technology 2320, 2321, 2330, 2331, 2350-2351 ..... | 12        |
| SPHY 1830, 1831, 1850, 1851 .....                                          | 8         |
|                                                                            | 36        |

| THIRD YEAR                                                                 | SEM. HRS. |
|----------------------------------------------------------------------------|-----------|
| SLSC 4000 .....                                                            | 1         |
| SCHM 1840, 1841 .....                                                      | 4         |
| Biological Sciences <sup>3</sup> .....                                     | 0-4       |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 <sup>4</sup> .....          | 0-3       |
| Computer Science 1060 or IET 1080 .....                                    | 3         |
| Electronics Engineering Technology 3310-3311, 3360, 3361, 4300, 4301 ..... | 12        |
| Industrial Engineering Technology 3740 .....                               | 3         |
| Concentration <sup>5</sup> .....                                           | 8-11      |
|                                                                            | 36-37     |

| FOURTH YEAR                                                       | SEM. HRS. |
|-------------------------------------------------------------------|-----------|
| SSCI 480T, 482T .....                                             | 5         |
| SLSC 4900 .....                                                   | 1         |
| Biological Sciences <sup>3</sup> .....                            | 0-4       |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 <sup>4</sup> ..... | 0-3       |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                       | 8         |
| Electronics Engineering Technology 4940 .....                     | 3         |
| Electronics Engineering Technology concentration elective .....   | 9         |
|                                                                   | 26-33     |

Total Semester Hours for Degree:..... 137-145

Footnotes:

- 1 All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 2 843A takes IET 1400 in year 2; 843B takes it in year 3.
- 3 843B takes Biology 2250, 2251, 2260, 2261 in year 2 and SBIO 1830, 1831 in year 4; 843A takes SBIO 1830, 1831 in year 4.
- 4 843A completes social science core in year 4, 843B in year 3.
- 5 843A: EET 4350, 4351, 4310, 4311, IET 2790; 843B: Biomedical Engineering Technology 3320, 3321, 3370, 3371.
- 6 843A: EET 4900, 4950; 843B: BMET 4950.

## Elementary Education, Grades 1-5 Joint Major

**Elementary Education, Grades 1-5 Joint Major Requirements:** (81 semester hours) Students seeking a joint major in Elementary Education, Grades 1-5 must complete 81 semester hours, within the 132 semester hour Elementary Education, Grades 1-5 joint major curriculum, which includes 54 semester hours of Major Requirements and 27 hours of Support Courses.

**The Common Curriculum:** (51 semester hours) in the Louisiana Scholars' College Common Curriculum.<sup>1</sup>

<sup>1</sup> Behavioral Science must be EPSY 2020, life science must be SBIO 1830, 1831, 1850, 1851, physical science must be SCHM 1840, 1841, one mathematics must be SSTA 3810.

**Major Requirements:** (54 semester hours): EDUC 2020, 3010, 3100, 3140, 3210, 4080, 4230, 4330, 4430, 4961, 4962; EPSY 3000; ETEC 3010; HP 3120; LIS 4160; RDG 3030, 3080; SPED 3460.

**Support Courses:** (27 semester hours) SOR 1010; SLSC 4000; SHUM 480T, 482T; ART 2040 or MUS 2100; English elective (ESL course); GEOG 1010 or PSCI 2010; HED 1010; HIST 3040 or SST 3030; MATH 2030, 2040.

### Curriculum for Elementary Education, Grades 1-5 (8102)

| FIRST YEAR                         | SEM. HRS. |
|------------------------------------|-----------|
| 1 from SMAT 1820, 1830, 2000 ..... | 3         |
| Education 2020 .....               | 3         |
| Educational Psychology 2020 .....  | 3         |
| English 1010 .....                 | 3         |
| Health Education 1010 .....        | 2         |
| SBIO 1830, 1831 .....              | 4         |
| SBIO 1850, 1851 .....              | 4         |
| SCRT 181W .....                    | 3         |
| SCTT 1810, 1820 .....              | 7         |
| SOR 1010 .....                     | 1         |
|                                    | 33        |

| SECOND YEAR                       | SEM. HRS. |
|-----------------------------------|-----------|
| Art 2040 or Music 2100 .....      | 3         |
| Education 3140 .....              | 3         |
| Educational Psychology 3000 ..... | 3         |
| Geography 1010 or PSCI 2010 ..... | 3         |
| Mathematics 2030, 2040 .....      | 6         |
| Reading 3030 .....                | 3         |
| SCHM 1840, 1841 .....             | 4         |
| SCTT 2810, 2820 .....             | 8         |
| SSTA 3810 .....                   | 3         |
|                                   | 36        |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Education 3100, 3210, 4080, 4230, 4330, 4430 ..... | 18        |
| English Elective (ESL course) .....                | 3         |
| Foreign Language <sup>2</sup> .....                | 4         |
| Human Performance 3120 .....                       | 3         |
| Reading 3080 .....                                 | 3         |
| SLSC 40001 .....                                   | 1         |
| Social Studies 3030 or History 3040 .....          | 3         |
|                                                    | 35        |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Education 3010, 4961, 4962 .....    | 12        |
| Educational Technology 3010 .....   | 3         |
| Foreign Language <sup>2</sup> ..... | 4         |
| LIS 4160 .....                      | 3         |
| SHUM 480T, 482T <sup>1</sup> .....  | 5         |

|                             |          |
|-----------------------------|----------|
| SLSC 4900.....              | 1        |
| Special Education 3460..... | 3        |
|                             | <hr/> 28 |

Total Semester Hours for Degree ..... 132

**Footnotes:**

- 1 Thesis must focus on a topic related to education. It is encouraged but not required that the thesis focus on the residency experience.
- 2 All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## English Joint Major

**English Joint Major Requirements:** (60 semester hours) A majoring in English will successfully complete 60 semester hours, within the 120 semester hour English curriculum, which include a 9 semester hour English core, 12 semester hours of foreign language coursework, and a 39 semester hour concentration; support courses: SLSC 4000, SHUM 480T, SHUM 482T.

**Core:** (9 semester hours) ENGL 2070, 4800, 4810.

**Foreign Language:** (12 semester hours). All twelve semester hours must be in the same modern foreign language – either SFRE, SRUS, or SSPN 1810, 2810, and 2820.

**Concentration:** (39 semester hours as defined below).

**Available Concentrations:** (39 semester hours each)

**Creative Writing (822E):** English 2120, 3050, 3080, 3180, and 4080; six hours from ENGL 4060, 4070, or 4090; six hours of Diverse Voices Electives from ENGL 2700, 3710, 3720, 3730, 3800, 3910, 3920, 3930, 4230, 4440, 4873, 4950, 4960, or 4970; and 12 hours of advanced ENGL or SENG courses (courses numbered 3000 or 4000).

**Film Studies (822D):** English 3500, 3510, 3520, 3610, and 4340; 15 hours in film and film studies from ENGL 3530, 3540, 4710, 4870, 4970, or 4980; and nine hours of advanced ENGL or SENG courses (courses numbered 3000 or 4000), or SPHI 3870.

**Folklife/Southern Culture (822C):** English 4670 and 4650; 18 hours in literature of the American South and Folklore from ENGL 4240, 4320, 4340, 4460, 4690, 4770, 4790, 4870, 4873, or 4880; and 15 hours of advanced ENGL or SENG courses (courses numbered 3000 or 4000).

**Literature (822A):** English 3100, 3150, 3160, and 3170; ENGL 4420; three hours of Diverse Voices Electives from ENGL 2700, 3710, 3720, 3730, 3800, 3910, 3920, 3930, 4230, 4440, 4873, 4950, 4960, or 4970; six hours of coursework in Literature before 1800 from ENGL 4130, 4140, 4170, 4190, 4200, 4250, 4260, 4350, or 4570; six hours of coursework in Literature after 1800 from ENGL 3010, 3710, 3720, 3730, 3800, 3850-14, 3930, 4240, 4310, 4360, 4450, 4460, 4650, 4690, 4950, or 4960; and nine hours of advanced ENGL or SENG courses (courses numbered 3000 or 4000).

**Professional Writing (822B):** English 2510, 2610, 3190, 3210, 3230, and 3610; ENGL 3200 or 4110; ENGL 4040 or 4790; six hours from English 4620, 4630, 4640, or 4680; and nine hours of advanced ENGL or SENG courses (courses numbered 3000 or 4000).

### Curriculum for English (822)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                 | 7         |
| English 1010, 2070.....                              | 6         |
| SCRT 181W.....                                       | 3         |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810..... | 6         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....               | 4         |
| SOR 1010.....                                        | 1         |
| Academic Electives <sup>1</sup> .....                | 3         |
|                                                      | <hr/> 30  |

| SECOND YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| SCTT 2810, 2820.....                   | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> ..... | 8         |

|                                         |          |
|-----------------------------------------|----------|
| SSPN/SFRE/SRUS <sup>3</sup> .....       | 4        |
| ENGL or SENG elective (2000 level)..... | 3        |
| Concentration.....                      | 6        |
|                                         | <hr/> 29 |

| THIRD YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| SLSC 4000.....                                      | 1         |
| SSPN/SFRE/SRUS <sup>3</sup> .....                   | 8         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050..... | 3         |
| Concentration.....                                  | 15        |
| Academic Electives <sup>1</sup> .....               | 3         |
|                                                     | <hr/> 30  |

| FOURTH YEAR                           | SEM. HRS. |
|---------------------------------------|-----------|
| SHUM 480T, 482T.....                  | 5         |
| SLSC 4900.....                        | 1         |
| Concentration.....                    | 18        |
| Academic electives <sup>1</sup> ..... | 7         |
|                                       | <hr/> 31  |

Total Semester Hours for Degree.....120

**Footnotes:**

- 1 All academic electives should be courses with Scholars' prefixes.
- 2 Students must take two of one discipline (life or physical science) and one semester of the other.
- 3 All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

## Fine and Graphic Arts Joint Major

**Fine and Graphic Arts Joint Major Requirements:** (80 semester hours) Students seeking a major in Fine and Graphic Arts must complete 80 semester hours, which include a 50 semester hour art core and a 30 hour concentration; support courses: SLSC 4000, SFPA 480T, 482T. Students must choose a concentration. A "C" or better average is required for all Art classes to complete requirements for graduation.

**Core:** (50 hours) Art 1010, 1020, 1060, 1070, 1350, 2000, 2140, 2160, 2290, 2340, 3240 or 3540, 3280, 3520, 3530, 3550, 4980, 4990; BUAD 1040.

**Concentration:** (All Fine and Graphic Arts majors must select a 30 semester hour concentration as defined below after passing ART 2160 and its accompanying sophomore review.)

**Available Concentrations:** (30 semester hours each)

**Graphic Communications (815A):** ART 2560, 3410, 3560, 3810, 3960, 4390, 4400, 4560, 4610, 4960.

**Interdisciplinary Design (815C):** Select 30 semester hours from CIS 1030, 2040, 2980, 3020; ART 2560, 3410, 3560, 3810, 3960, 4390, 4560, 4610, 4960, 4980, 4990.

**Studio Art (815B):** Select 30 semester hours from: ART 2020, 2060, 2120, 2130, 2270, 2280, 2350, 2400, 3000, 3010, 3020 3130, 3150, 3160, 3210, 3250, 3260, 3270, 3350, 3400, 3580, 3600, 3650, 3880, 4030, 4290, 4320, 4390, 4400, 4450, 4460, 4480, 4490, 4590, 4690, 4780, 4890.

**Craft (815D):** Select 30 semester hours from: Art 2060, 2270, 2280, 2350, 2400, 3000, 3130, 3260, 3270, 3350, 3400, 3580, 3650, 3880, 4030 (subtitle 03, 05 or 08), 4320, 4460, 4480, 4490, 4590, 4690, 4780.

**Senior Exhibition:** Graduating seniors will be required to demonstrate studio competence by presenting a public exhibition for faculty committee evaluation. Specific areas of deficiency will require additional study. All Fine and Graphic Arts students must take Art 4990 their senior year to satisfy senior exhibition requirements.

### Curriculum for Fine and Graphic Arts (815)

| FIRST YEAR                            | SEM. HRS. |
|---------------------------------------|-----------|
| SCTT 1810, 1820.....                  | 7         |
| Art 1010, 1020, 1060, 1070, 3520..... | 14        |
| ENGL 1010.....                        | 3         |
| SCRT 181W.....                        | 3         |



|                                                       |           |
|-------------------------------------------------------|-----------|
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                | 4         |
| SOR 1010.....                                         | 1         |
|                                                       | <u>35</u> |

|                                                               |                  |
|---------------------------------------------------------------|------------------|
| <b>SECOND YEAR</b>                                            | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                                         | 8                |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                        | 8                |
| Art 1350, 2140, 2160, 2290, 2340, 3240 or 3540, and 3530..... | 20               |
| Concentration .....                                           | 3                |
|                                                               | <u>39</u>        |

|                                                       |                  |
|-------------------------------------------------------|------------------|
| <b>THIRD YEAR</b>                                     | <b>SEM. HRS.</b> |
| SLSC 4000 .....                                       | 1                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....           | 4                |
| 1 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 3                |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 .....  | 3                |
| Art 2000, 3280, 4980 <sup>1</sup> .....               | 9                |
| Concentration .....                                   | 9                |
| Business Administration 1040 .....                    | 3                |
|                                                       | <u>32</u>        |

|                                             |                  |
|---------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                          | <b>SEM. HRS.</b> |
| SFPA 480T, 482T .....                       | 5                |
| SLSC 4900 .....                             | 1                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 4                |
| Concentration .....                         | 18               |
| Art 3550, 4990 .....                        | 4                |
|                                             | <u>32</u>        |

Total Semester Hours for Degree ..... 138

**Footnotes:**

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.

## Health and Exercise Science Joint Major

**Health and Exercise Science Joint Major Requirements:** Specific core requirements – PSYC 2050, SSTA 3810; SCHM 1840, 1841; SLSC 4000: SSCI 480T, 482T; major courses: HED 1010, 1090, 2010, 3000, 3100, 4000, 4500, 4600; HP 2000, 2630, 3550, 3560, 4170, 4600; MKTG 2200 or 3230; NUTR 1030; PSYC 2450 or 4450; 8 hours of advisor approved academic electives.

### Curriculum for Health and Exercise Science (877)

|                                                 |                  |
|-------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                               | <b>SEM. HRS.</b> |
| Advisor Approved Electives <sup>2</sup> .....   | 2                |
| Biology 2250-2251, 2260-2261 <sup>1</sup> ..... | 8                |
| Health Education 1090 .....                     | 3                |
| SCTT 1810, 1820 .....                           | 7                |
| ENGL 1010, SCRT 181W .....                      | 6                |
| SMAT 1820, 1830, 2000, 2010 .....               | 3                |
| SOR 1010 .....                                  | 1                |
| Psychology 2050 .....                           | 3                |
|                                                 | <u>33</u>        |

|                                               |                  |
|-----------------------------------------------|------------------|
| <b>SECOND YEAR</b>                            | <b>SEM. HRS.</b> |
| Advisor Approved Electives <sup>2</sup> ..... | 3                |
| Business Administration 1800, 3250 .....      | 6                |
| Health Education 2010, 3100 .....             | 6                |
| SCTT 2810, 2820 .....                         | 8                |
| SSTA 3810 .....                               | 3                |
| Human Performance 2000, 2630 .....            | 6                |
|                                               | <u>32</u>        |

|                                             |                  |
|---------------------------------------------|------------------|
| <b>THIRD YEAR</b>                           | <b>SEM. HRS.</b> |
| SCHM 1840, 1841 .....                       | 4                |
| SLSC 4000 <sup>4</sup> .....                | 1                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 8                |
| Health Education 1010, 3000, 4600 .....     | 9                |
| Human Performance 3550, 3560 .....          | 6                |
|                                             | <u>28</u>        |

|                                    |                  |
|------------------------------------|------------------|
| <b>FOURTH YEAR</b>                 | <b>SEM. HRS.</b> |
| SSCI 480T, 482T <sup>4</sup> ..... | 5                |
| SLSC 4900 .....                    | 1                |
| Health Education 4000, 4500 .....  | 6                |
| Human Performance 4170, 4660 ..... | 6                |
| Marketing 2200 or 3230 .....       | 3                |

|                                               |           |
|-----------------------------------------------|-----------|
| Psychology 2450 or 4450.....                  | 3         |
| Advisor approved electives <sup>2</sup> ..... | 3         |
|                                               | <u>27</u> |

Total Semester Hours for Degree:..... 120

**Footnotes:**

- <sup>1</sup> Biology 2250-2251, 2260-2261 replaces SBIO 1830, 1831, 1850, 1851 in Scholars' core.
- <sup>2</sup> Advisor approved electives - see advisor for approved courses.
- <sup>3</sup> All 8 hours must be of the same language. SSPN/SFRE/SGRK/SLTN/SRUS replace ENG 3210 or 3230 requirement.
- <sup>4</sup> SSCI 480T, 482T, SLSC 4900 SLSC 4000 (thesis/liberal arts courses) replace HP 4180 and 4200 (internship courses).

## History Joint Major

**History Joint Major Requirements:** support courses: SLSC 4000, SHUM 480T, SHUM 482T; twelve hours in a single foreign language; major courses – HIST 2010, 2020, 3000, 4000, and 24 semester hours of advanced American and European/non-American History courses (SHUM or HIST) - twelve hours in one field and twelve hours in the other. Academic electives – 14 hours (8 hours must be from courses with Scholars' prefixes).

### Curriculum for History (858)

|                                                       |                  |
|-------------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                     | <b>SEM. HRS.</b> |
| SCTT 1810, 1820 .....                                 | 7                |
| ENGL 1010 .....                                       | 3                |
| SCRT 181W .....                                       | 3                |
| 2 from SMAT 1820, 1830, 2000, 2010 or SSTA 3810 ..... | 6                |
| SBIO/SECL/SCHM/SPHY .....                             | 4                |
| SHIS/HIST courses .....                               | 6                |
| SOR 1010.....                                         | 1                |
|                                                       | <u>30</u>        |

|                                             |                  |
|---------------------------------------------|------------------|
| <b>SECOND YEAR</b>                          | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                       | 8                |
| SBIO/SECL/SCHM/SPHY .....                   | 8                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> ..... | 6                |
| History 2010, 2020 .....                    | 6                |
| SHIS/HIST course .....                      | 3                |
|                                             | <u>31</u>        |

|                                                      |                  |
|------------------------------------------------------|------------------|
| <b>THIRD YEAR</b>                                    | <b>SEM. HRS.</b> |
| SLSC 4000 .....                                      | 1                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....          | 6                |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3                |
| Academic electives .....                             | 3                |
| SHIS/HIST courses .....                              | 15               |
| History 3000 .....                                   | 3                |
|                                                      | <u>31</u>        |

|                                       |                  |
|---------------------------------------|------------------|
| <b>FOURTH YEAR</b>                    | <b>SEM. HRS.</b> |
| SHIS 480T, 482T .....                 | 5                |
| SLSC 4900 .....                       | 1                |
| HIST 4000 .....                       | 3                |
| SHIS/HIST courses .....               | 9                |
| Academic electives <sup>1</sup> ..... | 10               |
|                                       | <u>28</u>        |

Total Semester Hours for Degree..... 120

**Footnotes:**

- <sup>1</sup> At least 10 hours of academic electives should be courses with Scholars' prefixes.
- <sup>2</sup> All 12 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the language

## Hospitality Management and Tourism Joint Major

**Hospitality Management and Tourism Joint Major Requirements:** (59 semester hours) Students seeking a major in Hospitality Management and Tourism must complete 59 semester hours, within the 120 semester hour Hospitality Management and Tourism curriculum, which includes Culinary Arts 2010 and Hospitality Management and Tourism 1000, 1050, 2010, 2400, 3050, 4030, 4150, 4200, 4500.

Completion of a Hospitality Management and Tourism concentration area (24 hours). Special requirements: Completion of an approved minor.

#### Available Concentrations:

**Culinary Arts (837D):** (24 semester hours) Culinary Arts 2050, 3070, 3080, 3100, 3200, 3250, 4000; Hospitality Management and Tourism 3020.

**Event Management (837E):** (24 semester hours) Event Management 1000, 2000, 2050, 3000, Marketing 2200 or 3230 or 3300 or 3820, Hospitality Management and Tourism 4250, 4300 or 4110, Unified Public Safety Administration 4700.

**Hospitality Services (837A):** (24 semester hours) Hospitality Management and Tourism 3000, 3020, 3080, and one from Hospitality Management and Tourism 4100, 4250, or 4260. Support areas: Culinary Arts 2010 or 2050, 3070; choose two from Culinary Arts, Hospitality Management and Tourism, or upper level Business Administration, Marketing, or Management electives.

**Travel & Tourism (837C):** (24 semester hours) Hospitality Management and Tourism 2150, 3000, 3120, 3140; Hospitality Management and Tourism 3150 or 4260; Hospitality Management and Tourism 4100 or 4250. Support areas: Six semester hours from Hospitality Management and Tourism electives, History or SHIS electives, or Culinary Arts electives.

#### Curriculum for Hospitality Management and Tourism (837)

| FIRST YEAR                                                   | SEM. HRS. |
|--------------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                         | 7         |
| ENGL 1010.....                                               | 3         |
| SCRT 181W.....                                               | 3         |
| Hospitality Management and Tourism 1000, 1050, 2010.....     | 7         |
| 2 from SMAT 1820, 1830, 2000 or SSTA 3810; or SMAT 2810..... | 6         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                  | 4         |
| SOR 1010.....                                                | 1         |
|                                                              | <u>28</u> |

| SECOND YEAR                                                              | SEM. HRS. |
|--------------------------------------------------------------------------|-----------|
| Culinary Arts 2010.....                                                  | 2         |
| SCTT 2810, 2820.....                                                     | 8         |
| Hospitality Management and Tourism 2400.....                             | 2         |
| Hospitality Management and Tourism concentration area <sup>2</sup> ..... | 6         |
| SBIO/SECL/SCHM/SPHY <sup>3</sup> .....                                   | 8         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....                      | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                              | 4         |
|                                                                          | <u>33</u> |

| THIRD YEAR                                                               | SEM. HRS. |
|--------------------------------------------------------------------------|-----------|
| Hospitality Management and Tourism 3050, 4200.....                       | 6         |
| Hospitality Management and Tourism concentration area <sup>2</sup> ..... | 12        |
| SBUS 4000.....                                                           | 1         |
| SBIO/SECL/SCHM/SPHY <sup>3</sup> .....                                   | 4         |
| Academic electives.....                                                  | 6         |
|                                                                          | <u>29</u> |

| FOURTH YEAR                                                            | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| SLSC 4900.....                                                         | 1         |
| Hospitality Management & Tourism concentration area <sup>2</sup> ..... | 6         |
| Hospitality Management & Tourism 4030, 4150, 4500.....                 | 18        |
| SBUS 480T, 482T.....                                                   | 5         |
|                                                                        | <u>30</u> |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- <sup>1</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Courses are determined by concentration area.
- <sup>3</sup> Two of one discipline (life or physical science and labs) and one semester of the other.

### Industrial Engineering Technology Joint Major

**Industrial Engineering Technology Joint Major Requirements:** (67 semester hours) Students seeking a major in Industrial Engineering Technology must complete 67 semester hours, within the 132 semester hour Industrial Engineering Technology curriculum, which includes Electronics Engineering Technology 1300-1301, 1311, 1320-1321; Industrial Engineering Technology 1400, 1700, 1800, 2020, 2040, 2790, 3150, 3510, 3570, 3740, 3900, 4700, 4720, 4730, 4820, 4890; EET 4950 or IET 4960; EET 4940 or IET 4940; and six hours of electives from IET or EET courses.

#### Curriculum for Industrial Engineering Technology (844)

| FIRST YEAR                                                    | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Industrial Engineering Technology 1400, 1700, 1800, 2040..... | 10        |
| Electronic Engineering Technology 1300, 1301, 1311.....       | 5         |
| ENGL 1010.....                                                | 3         |
| SCRT 181W.....                                                | 3         |
| SCTT 1810, 1820.....                                          | 7         |
| SMAT 2000, 2010.....                                          | 6         |
| SOR 1010.....                                                 | 1         |
|                                                               | <u>35</u> |

| SECOND YEAR                                                | SEM. HRS. |
|------------------------------------------------------------|-----------|
| Electronic Engineering Technology 1320, 1321.....          | 4         |
| Industrial Engineering Technology 2020, 2790.....          | 6         |
| SPHY 1830, 1831, 1850, 1851.....                           | 8         |
| SBIO 1830, 1831 or SECL 1910, 1911 or SECL 1920, 1921..... | 4         |
| SCTT 2810, 2820.....                                       | 8         |
|                                                            | <u>30</u> |

| THIRD YEAR                                                                      | SEM. HRS. |
|---------------------------------------------------------------------------------|-----------|
| Computer Science 1060 or IET 1080.....                                          | 3         |
| Industrial Engineering Technology 3150, 3510, 3570, 3900, 4720, 4730, 4820..... | 21        |
| Industrial Engineering Technology Elective.....                                 | 3         |
| SCHM 1840, 1841.....                                                            | 4         |
| SLSC 4000.....                                                                  | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                                     | 4         |
|                                                                                 | <u>36</u> |

| FOURTH YEAR                                                                           | SEM. HRS. |
|---------------------------------------------------------------------------------------|-----------|
| Electronic Engineering Technology 4940 or Industrial Engineering Technology 4940..... | 3         |
| Industrial Engineering Technology 3740, 4700, 4890, 4960 or EET 4950.....             | 12        |
| Industrial Engineering Technology or Electronic Engineering Technology electives..... | 3         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....                                   | 3         |
| SLSC 4900.....                                                                        | 1         |
| SSCI 480T, 482T.....                                                                  | 5         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                                           | 4         |
|                                                                                       | <u>31</u> |

Total Semester Hours for Degree..... 132

#### Footnote:

- <sup>1</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

### Mathematics Joint Major

**Mathematics Joint Major Requirements:** (45 semester hours) Students seeking a major in Mathematics must complete 45 semester hours, within the 120 semester hour Mathematics curriculum, which include Mathematics 1010, 2080, 2100, 2110, 3090, 3100, 3130, 4950, 15 semester hours from 3000-4000 level mathematics courses or Statistics 4270 with at least 6 of these hours from 4000 level courses. Mathematics 4050 may not be used to satisfy the requirements of the Mathematics major. Support courses: CSC 1060, 2060; PHYS 2510-2511.

## Available Concentrations:

**Actuarial Mathematics (846B):** Mathematics 3150, 3270, 3 hours of Mathematics 4900, Statistics 4270, 4280, Computer Information Systems 2000, Accounting 2000, 2010, Finance 3090, 4200, Economics 2000, 2010.

**Applied Mathematics (846C):** Mathematics 3160, 3170, 4100, 4260, Statistics 4270, 4280, Computer Science 3040, Physics 3900, 4100, Chemistry 1030, 1031, 3210, 3220, Biology 3060-3061.

**Computer Science (846D):** Mathematics 3030, 3150, 3910, 4060, 4100, Computer Science 2020, 2100, 3030, 3120, 4001, 4010, 4040, Computer Information Systems 3970, Electrical Engineering Technology 1330, 1331.

**Healthcare Informatics (846A):** Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270, Computer Science 2100, Computer Information Systems 1030, 2100, 2980, 3300, 3900, 4000.

**Sport Analytics (846E):** Mathematics 2050, 3150, 3300, 3310, 4270, 4280, Computer Science 2100, Computer Information Systems 2000, 2980, 4070, Economics 2000, 2010, English 3230, Human Performance 4030, 4400.

## Curriculum for Mathematics (846)

| FIRST YEAR                                                    | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                          | 7         |
| ENGL 1010.....                                                | 3         |
| SCRT 181W.....                                                | 3         |
| SBIO 1830-1831 or SECL 1910-1911 or 1920-1921.....            | 4         |
| SOR 1010.....                                                 | 1         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....           | 3         |
| Mathematics 1010, 2100 <sup>3</sup> , 2110 <sup>3</sup> ..... | 11        |
|                                                               | 32        |

| SECOND YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| SCTT 2810, 2820.....                   | 8         |
| Computer Science 1060, 1061, 2060..... | 7         |
| PHYS 2510-2511 <sup>1</sup> .....      | 5         |
| Mathematics 2080, 3090, 3130.....      | 10        |
| Electives <sup>4</sup> .....           | 3         |
|                                        | 33        |

| THIRD YEAR                                                              | SEM. HRS. |
|-------------------------------------------------------------------------|-----------|
| SLSC 4000 <sup>5</sup> .....                                            | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>6</sup> .....                             | 4         |
| SCHM 1840-1841 <sup>1</sup> .....                                       | 4         |
| Mathematics 3100, electives <sup>2</sup> .....                          | 12        |
| Second semester of life or physical science sequence <sup>1</sup> ..... | 4         |
| Electives <sup>4</sup> .....                                            | 3         |
|                                                                         | 28        |

| FOURTH YEAR                                    | SEM. HRS. |
|------------------------------------------------|-----------|
| SFPA 480T <sup>3</sup> , 482T.....             | 5         |
| SLSC 4900.....                                 | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>6</sup> .....    | 4         |
| Electives <sup>4</sup> .....                   | 11        |
| Mathematics 4950, electives <sup>2</sup> ..... | 6         |
|                                                | 27        |

Total Semester Hours for Degree..... 120

### Footnotes:

- Two of one discipline (life or physical science) and one semester of the other. Students in the Applied Mathematics concentration will take Physics 2520-2521.
- Upper level mathematics, Statistics 4270 or 4280. At least 6 hours must be above 4000. Mathematics 4050 may not be used to satisfy this requirement. Students in the Healthcare Informatics concentration will take Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270. Students in the Actuarial Mathematics concentration will take Mathematics 3270, 3150, 3 hours of Mathematics 4900, Statistics 4270, 4280.
- Substituted for Common Curriculum mathematics core.
- Electives must include at least 9 hours of 2000-, 3000-, or 4000-level STEM courses taken from MATH, CSC, BIOL, CHEM, EET, IET, or PHYS courses. Students in Healthcare Informatics will take Computer Science 2100, Computer Information Systems 1030, 2100, 2980, 3300, 3900, 4000, and 7 additional hours. Students in Actuarial Mathematics will take Economics 2000, 2010, Computer Information Systems 2000, Accounting 2000, 2010, Finance 3090, 4200, and 4 additional hours. Students in Applied Mathematics will take Computer Science 3040, Chemistry 1030, 1031, 3210, 3220, Physics 3900, 4100, and Biology 3060-3061 and 6 additional hours. Students in Sport Analytics will take Mathematics 2050, Computer Science 2100, Computer Information Systems 2000, 2980, 4070, Economics 2000, 2010, Human Performance 4030, 4400, and either English 3210 or 3230.

<sup>5</sup> Replaces MATH 4940 in the Mathematics Major.

<sup>6</sup> All 8 hours must be on the same language. Consult your advisor about the timing of course rotations in the languages.

### Notes:

† University core requirements replaced with LSC Common Curriculum. (MATH 2100, 2110 will replace Common Curriculum math requirements.)

†† Academic electives used for SLSC 4900; SSCI 482T; and 8 hours of foreign language.

## Music Joint Major

**Music Joint Major Requirements:** (81 semester hours) specific core requirements - SFRE 1810, 2810; support courses: SLSC 4000, SFPA 480T, SFPA 482T. Students seeking a major in Music must complete 81 semester hours within the Music curriculum. 46 of these hours are specific to the particular concentration while the remaining 35 hours consist of supportive courses in music. All music students must elect one of the concentrations listed below:

**Available Concentrations:** (46 semester hours each)

**Performance (813A):** Music 1710 for four semesters (8 credit hours), MUS 3710 for four semesters (12 credit hours), MUS 4150 (Pedagogy), MUS 4390 (Performance Literature), MUS 4720 (Senior Recital), 4 hours of piano chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A, 8 hours of ensembles, 4 hours of Performance Electives, and 2 hours of free music electives.

**Sacred Music (813B):** Music 1710 for four semesters (8 credit hours), MUS 3710 for three semesters (6 credit hours), MUS 1230 (Diction), MUS 2120, 2130, 3120, 3130, 4120 (Church Music History, Liturgics, Hymnody, and Administration), MUED 4520 (Choral Literature), MUS 3100 (Choral Conducting), MUS 4720 (Senior Recital), 4 hours of piano chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A, 8 hours of ensembles, and 2 hours of Performance Electives.

**Music Business (813C):** Music 1710 for four semesters (8 credit hours), MUS 3710 for two semesters (4 credit hours), 6 hours of ensembles, 4 credit hours of piano, to be chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A; MUS 4200, MUS 4400, MUS 4720 (minimum 1 credit hour), ACCT 1040, BUAD 3280, MUS 4730, 6 credit hours of MUS 2990, must include subtopic 01 Survey of Music Business; 2 credit hours of music elective, for a total of 46 hours. Furthermore: Students must take MUS 4200 in lieu of MUS 4060. Students may take 2 credit hours of music elective in lieu of MUS 2030. Students may take MUS 4130 or 4060 (3 credit hours) in lieu of MUS 2040 (2 credit hours) and 1 credit hour of music elective. Students may take MUS 2170 in lieu of MUS 2160 and 2161; students may take MUS 3500, 3600, or 3700, in lieu of 4010.

## Curriculum for Music (813)

| FIRST YEAR                                     | SEM. HRS. |
|------------------------------------------------|-----------|
| SCTT 1810, 1820.....                           | 7         |
| ENGL 1010.....                                 | 3         |
| Ensembles <sup>2</sup> .....                   | 2         |
| SCRT 181W.....                                 | 3         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810..... | 3         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....         | 4         |
| Music 1150, 1151, 1160, 1161.....              | 6         |
| Music 1710 and 1500 each semester.....         | 4         |
| Piano <sup>3</sup> .....                       | 2         |
| SOR 1010.....                                  | 1         |
|                                                | 35        |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| SCTT 2810, 2820.....                          | 8         |
| SFRE 1810, 2810 <sup>7</sup> .....            | 8         |
| Ensembles <sup>2</sup> .....                  | 2         |
| Music 2030, 2040, 2150, 2151, 2160, 2161..... | 10        |
| Music 1710 and 1500 each semester.....        | 4         |
| Piano <sup>3</sup> .....                      | 2         |
|                                               | 34        |

| THIRD YEAR                                     | SEM. HRS. |
|------------------------------------------------|-----------|
| SLSC 4000.....                                 | 1         |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....         | 8         |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810..... | 3         |
| Ensembles <sup>2</sup> .....                   | 2         |

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Music 3030, 3040, 3090.....                             | 6                |
| Music 1500 each semester .....                          | 0                |
| Music concentration <sup>4</sup> .....                  | 12               |
|                                                         | <hr/> 32         |
| <b>FOURTH YEAR</b>                                      | <b>SEM. HRS.</b> |
| SFPA 480T, 482T.....                                    | 5                |
| SLSC 4900 .....                                         | 1                |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....     | 3                |
| Ensembles <sup>2</sup> .....                            | 2                |
| Music 4010, 4060 <sup>6</sup> , 4720 <sup>5</sup> ..... | 7-8              |
| Music concentration <sup>4</sup> .....                  | 12               |
|                                                         | <hr/> 30-31      |

Total Semester Hours for Degree .....132

**Footnotes:**

- 1 Two of one discipline (life or physical science) and one semester of the other.
- 2 Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, 1420, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles. Music Business students only need to take 6 hours of ensembles.
- 3 Piano majors are required to take MUS 4490 and 4260 in their third and fourth years respectively in lieu of MUS 1800, 1810, 1820, 1830 and 2 credits of performance elective.
- 4 For Performance Concentration, piano students must take 4 hours in performance electives other than piano, and vocal students must take 4 hours of performance elective in piano. Instrumental students may take performance elective in MUS 1700, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, and 1430. For Sacred Music concentration, students whose primary instrument is voice must enroll in 2 hours of MUS 1700 piano lessons; Keyboard students must enroll in 2 hours of MUS 1700 voice lessons. Music Business students will take 15 hours of Music concentration courses in the fourth year.
- 5 MUS 4720 (Recital): Performance Concentration students will give a solo recital. Sacred Music Concentration students present a recital which may consist of one or more performance media, including conducting. Music Business students only need to take 1 hour of Music 4720.
- 6 Sacred Music Concentration students must take MUS 4140 in lieu of 4060. Music Business students must take MUS 4200 in lieu of MUS 4060.
- 7 Music Business students may take instead SGRK 1810, 2810, and 2840; SLTN 1810, 2810, and 2840; or SSPN 1810 and 2810; or SRUS 1810 and 2810.

**NOTE:** Proficiency requirement in major performance area must be satisfied prior to being admitted to 3710-level study. Music majors must earn at least a "C" (2.0) in each music course in order for those courses to be credited as completed prerequisites or to count as graduation requirements.

**NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

## Music Education-Vocal, Grades K - 12 Joint Major

**Music Education-Instrumental, Grades K-12 Joint Major Requirements:** SCTT 1810, 1820, 2810, 2820; ENGL 1010; SCRT 181W; 6 hours from SMAT 1820, 1830, 2000, 2010, SSTA 3810; SOR 1010; EPSY 2020; 6 hours from SBIO 1830, 1850, SECL 1910, 1920<sup>1</sup>; CHEM 1030; Major Requirements: (96 semester hours) Students seeking a major in Music Education-Instrumental, Grades K-12 must complete 96 semester hours of the 136-semester hour degree within the Music Education-Instrumental, Grades K-12 curriculum. Of the 96 hours, students must complete the following major requirements in performance pedagogy technique: 4 hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A; MUS 1840, 1860, 1880, 1890 and one of the following: 1850, 1870, 1920, 1930 and one of the following: MUS 1910, 1320, 1330, 1370, 1380, 1420, 1430, or 1700C for a total of 15 hours in performance pedagogy technique.

**Requirements for Graduation:** (a) minimum 3.0 overall grade point average, (b) minimum grade of "C" in each course applied to Scholars' Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

<sup>1</sup>a two-semester sequence must be completed in either SBIO or SECL.

## Curriculum for Music Education-Instrumental, Grades K - 12 (827)

|                                                  |                  |
|--------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                | <b>SEM. HRS.</b> |
| SCTT 1810, 1820 .....                            | 7                |
| ENGL 1010 .....                                  | 3                |
| SCRT 181W .....                                  | 3                |
| Ensembles <sup>1</sup> .....                     | 2                |
| 2 from SMAT 1830, 2000, 2010 and SSTA 3810 ..... | 6                |
| Music 1150, 1151, 1160, 1161 .....               | 6                |
| Music 1710 and 1500 each semester .....          | 4                |
| Music Education 2020 .....                       | 3                |
| SOR 1010 .....                                   | 1                |
| Performance/Pedagogy technique .....             | 4                |
|                                                  | <hr/> 39         |

|                                                |                  |
|------------------------------------------------|------------------|
| <b>SECOND YEAR</b>                             | <b>SEM. HRS.</b> |
| SCTT 2810, 2820 .....                          | 8                |
| Educational Psychology 2020 .....              | 3                |
| Ensembles <sup>1</sup> .....                   | 2                |
| Music 1710 and 1500 each semester .....        | 4                |
| Music 2030, 2040, 2150, 2151, 2160, 2161 ..... | 10               |
| SBIO 1830 or SECL 1910 <sup>2</sup> .....      | 3                |
| Performance/Pedagogy technique .....           | 6                |
| Educational Psychology 3000 .....              | 3                |
|                                                | <hr/> 39         |

|                                                      |                  |
|------------------------------------------------------|------------------|
| <b>THIRD YEAR</b>                                    | <b>SEM. HRS.</b> |
| Ensembles <sup>1</sup> .....                         | 2                |
| Music 3710 <sup>3</sup> and 1500 each semester ..... | 4                |
| Music 3030, 3040, 3090, 3110 .....                   | 8                |
| Music Education 3140, 4010, 4110 .....               | 9                |
| SBIO 1850 or SECL 1920 <sup>2</sup> .....            | 3                |
| Performance/Pedagogy technique .....                 | 5                |
| Reading 4050 .....                                   | 3                |
|                                                      | <hr/> 34         |

|                                    |                  |
|------------------------------------|------------------|
| <b>FOURTH YEAR</b>                 | <b>SEM. HRS.</b> |
| Education 4931, 4932 .....         | 15               |
| Ensembles <sup>1</sup> .....       | 1                |
| Music 3710 <sup>3</sup> .....      | 2                |
| Music Education 4460 or 4480 ..... | 3                |
| CHEM 1030 .....                    | 3                |
|                                    | <hr/> 24         |

Total Semester Hours for Degree ..... 136

**Footnotes:**

- 1 Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.
- 2 Lecture only; a two-semester sequence must be completed in either SBIO or SECL.
- 3 Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.

**NOTE:** All students enrolled in MUS 1710 and 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument category.

## Music Education-Instrumental, Grades K – 12 Joint Major

**Music Education-Vocal, Grades K-12 Joint Major Requirements:** Music Education-Vocal Requirements: SCTT 1810, 1820, 2810, 2820; ENGL 1010; SCRT 181W; 6 hours from SMAT 1820, 1830, 2000, 2010, SSTA 3810; SOR 1010; EPSY 2020; 6 hours from SBIO 1820, 1850, SECL 1910, 1920<sup>1</sup>; CHEM 1030; Music Education-Vocal, Grades K-12 Major Requirements: (95 semester hours) Students seeking a major in Music Education-Vocal, Grades K-12 must complete 95 semester hours of the 135-semester hour degree within the Music Education-Vocal, Grades K-12 curriculum. Of the 95 hours, students must complete the following major requirements in performance pedagogy technique: 4 hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A; MUS 1210, 1220, 1230; MUED 4520; and 4 additional hours of MUS 1700A for a total of 14 hours in performance pedagogy technique.

**Requirements for Graduation:** (a) minimum 3.0 overall grade point average, (b) minimum grade of “C” in each course applied to Scholars’ Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

### Curriculum for Music Education-Vocal, Grades K-12 (828)

| FIRST YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                   | 7         |
| ENGL 1010.....                                         | 3         |
| SCRT 181W.....                                         | 3         |
| Ensembles <sup>1</sup> .....                           | 2         |
| 2 from SMAT 1820, 1830, 2000, 2010, and SSTA 3810..... | 6         |
| Music 1150, 1151, 1160, 1161.....                      | 6         |
| Music 1710 and 1500 each semester.....                 | 4         |
| Music Education 2020.....                              | 3         |
| SOR 1010.....                                          | 1         |
| Performance/Pedagogy technique.....                    | 4         |
|                                                        | 39        |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Educational Psychology 2020.....              | 3         |
| SCTT 2810, 2820.....                          | 8         |
| Ensembles <sup>1</sup> .....                  | 2         |
| Music 1710 and 1500 each semester.....        | 4         |
| Music 2030, 2040, 2150, 2151, 2160, 2161..... | 10        |
| SBIO 1830 or SECL 1910 <sup>2</sup> .....     | 3         |
| Performance/Pedagogy technique.....           | 2         |
| Educational Psychology 3000.....              | 3         |
|                                               | 35        |

| THIRD YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| Ensembles <sup>1</sup> .....                        | 2         |
| Music 3710 <sup>3</sup> and 1500 each semester..... | 4         |
| Music 3030, 3040, 3090, 3100, 4150.....             | 11        |
| Music Education 3140, 4010, 4110.....               | 9         |
| SBIO 1850 or SECL 1920 <sup>2</sup> .....           | 3         |
| Performance/Pedagogy technique.....                 | 5         |
| Reading 4050.....                                   | 3         |
|                                                     | 37        |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Education 4931, 4932.....           | 15        |
| Ensembles <sup>1</sup> .....        | 1         |
| Music 3710 <sup>3</sup> .....       | 2         |
| Performance/Pedagogy technique..... | 3         |
| CHEM 1030.....                      | 3         |
|                                     | 24        |

Total Semester Hours for Degree:..... 135

#### Footnotes:

- <sup>1</sup> Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensembles directors, who may consult with the applied music faculty.
- <sup>2</sup> Lecture only; a two-semester sequence must be completed in either SBIO or SECL.
- <sup>3</sup> Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.

**NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student’s voice category.

### Nursing Joint Major

**Nursing Requirements:** SCHM 1840; SCTT 1810, 1820, 2810; SOR 1010; SMAT 1820, SMAT 2000; ENGL 1010; SCRT 181W; 3 hours from SSOT, EPSY 2020, PSYC 1010, or 2050; SPHI 1000; BIOL 2210, 2250, 2251, 2260, 2261; NUTR 1030. Major courses: NURB 2170, 2180, 3030, 3040, 3041, 3050, 3060, 3061, 3130, 3141, 3150, 3160 or ALHE 1020, 4520, 3220, 3221, 3230, 3231, 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, 4950.

### Curriculum for Nursing (840)

| FIRST YEAR                        | SEM. HRS. |
|-----------------------------------|-----------|
| SCTT 1810, 1820.....              | 7         |
| Biology 2250-2251, 2260-2261..... | 8         |
| NURB 2180.....                    | 3         |
| SMAT 1820.....                    | 3         |
| SCHM 1840.....                    | 3         |
| ENGL 1010, SCRT 181W.....         | 6         |
| SOR 1010.....                     | 1         |
| SPHI 1000.....                    | 1         |
|                                   | 32        |

| SECOND YEAR                                                                                                                         | SEM. HRS. |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Biology 2210.....                                                                                                                   | 3         |
| ALHE 1020.....                                                                                                                      | 2         |
| Nursing 3030 <sup>1</sup> , 3040 <sup>1</sup> , 3041 <sup>1</sup> , 3050 <sup>1</sup> , 3060 <sup>1</sup> , 3061 <sup>1</sup> ..... | 17        |
| Nutrition 1030.....                                                                                                                 | 3         |
| Nursing 2170.....                                                                                                                   | 2         |
| SMAT 2000.....                                                                                                                      | 3         |
| SCTT 2810.....                                                                                                                      | 4         |
|                                                                                                                                     | 34        |

| THIRD YEAR                                            | SEM. HRS. |
|-------------------------------------------------------|-----------|
| Nursing 3130, 3141, 3150, 3220, 3221, 3230, 3231..... | 19        |
| Nursing 3160 or ALHE 4520.....                        | 3         |
| Social Science core.....                              | 3         |
|                                                       | 25        |

| FOURTH YEAR                                               | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| 3 hours from PSYC 1010, 2050, EPSY 2020, or any SSOT..... | 3         |
| Nursing 4120, 4121, 4130, 4131, 4220, 4221, 4230.....     | 26        |
| 4231, 4950.....                                           | 29        |

Total Semester Hours for Degree..... 120

#### Footnote:

- <sup>1</sup> Before entering nursing courses, student must meet all criteria listed in the special admission policies listed in the University Catalog.

### Physical Science Joint Major

**Physical Science Joint Major Requirements:** (74 semester hours) Students seeking a major in Physical Science must complete 74 semester hours, within the 120 semester hour Physical Science curriculum, which include:

- **Physical Science core:** SBIO 1830-1831, 1850-1851; SCHM 1840-1841, 1860-1861; Physics 2510-2511, 2520-2521; SLSC 4000; SSCI 480T, 482T on a Physical Science topic.
- **Physical Science electives or concentration:** 30 semester hours selected from a specific list of courses.
- **Science electives:** 16 semester hours of SBIO, SCHM, Biology, Chemistry, or Physics courses.

#### Available Concentration:

**Biochemistry (830B):** (40 semester hours) CHEM 2110-2111, 2140, 3010-3011 or SCHM 3810-3811, CHEM 3020-3021 or SCHM 3820-3821, CHEM 3210, 4040-4041, 4050. BIOL 2060-2061, 3250, 3270-3271, 4300-4301.

**Chemistry (830A):** (30 semester hours) CHEM 2110-2111, 2140-2141, 3010-3011, 3210, and 4140-4041. Select 15 hrs. from CHEM 2120-2121, 2160, 3020-3021, 3100, 3220-3221, 4050, 4140, 4160-4161, or 4950; SCHM 3810-3811, 3820-3821, 4810.

**Forensic Laboratory Science (830C):** (38 semester hours) CJ 1100, 2600; CHEM 3010-3011 or SCHM 3810-3811, 3230, 3240, 3500-3501, 4160-4161. Select either Drug/Trace Evidence Analysis: CHEM 2110-2111, 2120-2121, 2140, 3020-3021 or DNA Analysis: BIOL 3060-3601, 3270-3271, 4300-4301, CHEM 4040.

**Physics (830D):** (35 semester hours) CHEM 3220, MATH 3130, 3160, PHYS 3010-3011, 3291, 3400, 3510, 3710, 4100, 4510, 4520, or 4880.

## Curriculum for Physical Science (830)

| FIRST YEAR                                                              | SEM. HRS. |
|-------------------------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                                    | 7         |
| ENGL 1010, SCRT 181W.....                                               | 6         |
| SCHM 1840-1841, 1860-1861 .....                                         | 8         |
| Mathematics 2100 <sup>1</sup> , 2110.....                               | 10        |
| SOR 1010 .....                                                          | 1         |
|                                                                         | 32        |
| SECOND YEAR                                                             | SEM. HRS. |
| SBIO 1830, 1831, 1850, 1851.....                                        | 8         |
| SCTT 2810, 2820.....                                                    | 8         |
| Chemistry <sup>2</sup> or Physical Science electives <sup>3</sup> ..... | 6         |
| Physics 2510-2511, 2520-2521.....                                       | 8         |
|                                                                         | 30        |
| THIRD YEAR                                                              | SEM. HRS. |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 .....                    | 3         |
| SLSC 4000.....                                                          | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....                             | 4         |
| Science electives <sup>5</sup> .....                                    | 11        |
| Chemistry <sup>2</sup> or Physical Science electives <sup>3</sup> ..... | 8         |
|                                                                         | 27        |
| FOURTH YEAR                                                             | SEM. HRS. |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....                             | 4         |
| Chemistry <sup>2</sup> or Physical Science electives <sup>3</sup> ..... | 18        |
| Science electives <sup>5</sup> .....                                    | 3         |
| SSCI 480T, 482T.....                                                    | 5         |
| SLSC 4900.....                                                          | 1         |
|                                                                         | 31        |
| Total Semester Hours for Degree .....                                   | 120       |

### Footnotes:

- Students deficient in mathematics should take MATH 1020 and 1090, or 1100 before 2100. MATH 2100, 2110 will be subbed for SMAT 2000, 2010 in the Common Curriculum.
- Selected to satisfy Chemistry (830A) concentration requirements.
- Selected from CHEM 2110-2111, 2120-2121; SCHM 3810-3811, 3820-3821, 4810; MATH 2050, 3090, 3130, 3150, 3160, 4050; PHYS 3120, 3291, 4100, or any 3000 or 4000-level education course.
- All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- Selected from SBIO, SCHM, Biology, Chemistry, or Physics courses.

## Production and Design Joint Major

**Production and Design Joint Major Requirements:** Students seeking a joint major in Production and Design must complete 71 semester hours within the 129 semester hour Production and Design Joint Major curriculum, which include a 48 semester hour Production and Design Core, 15 semester hours of Production and Design Focused Electives<sup>1</sup>, and 8 semester hours of Theatre/Dance Electives.

**Production and Design Core:** (48 semester hours) THEA 2030 (6 hours), 2140, 2300, 2310, 2320, 2330, 2360, 2370 or 3360, 3330, 3380, 4320 or 4050, 4330, 4480, 4540, and ONE from 3120, 4450, or 4610.

**Support Courses:** 15 semester hours of Production and Design Focused Electives<sup>1</sup>, 8 semester hours of Theatre/Dance Electives, SOR 1010, SLSC 4000, SFPA 480T, 482T<sup>2</sup>.

### Footnotes:

- Choose from THEA 3140, 3240, 3250, 3260, 3300, 3350, 3390, 4270, 4310, 4420, 4430, 4550, 4560, 4570, 4580, 4590, 4600, 4630.
- Thesis must focus on a topic related to Production and Design in Theatre.

## Curriculum for Production and Design (816)

| FIRST YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| English 1010.....                                   | 3         |
| SCRT 181W.....                                      | 3         |
| SCTT 1810, 1820.....                                | 7         |
| SOR 1010 .....                                      | 1         |
| 3 hours from SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
| THEA 2300.....                                      | 3         |
| THEA 2310.....                                      | 3         |
| THEA 2320.....                                      | 3         |
| THEA 2140.....                                      | 3         |
| THEA 2030 <sup>1</sup> .....                        | 1         |
|                                                     | 30        |

| SECOND YEAR                                                | SEM. HRS. |
|------------------------------------------------------------|-----------|
| Natural Sciences <sup>2</sup> .....                        | 4         |
| THEA 2330 or THEA 3340.....                                | 3         |
| THEA 3330.....                                             | 3         |
| THEA 2360 .....                                            | 3         |
| THEA 3380.....                                             | 3         |
| THEA 2030 <sup>1</sup> .....                               | 2         |
| Production and Design Focused Electives <sup>3</sup> ..... | 3         |
| Foreign Language <sup>4</sup> .....                        | 4         |
| SCTT 2810, 2820.....                                       | 8         |
|                                                            | 33        |

| THIRD YEAR                                                 | SEM. HRS. |
|------------------------------------------------------------|-----------|
| Theatre Electives.....                                     | 3         |
| Natural Sciences <sup>2</sup> .....                        | 4         |
| Foreign Language <sup>4</sup> .....                        | 4         |
| THEA 2030 <sup>1</sup> .....                               | 2         |
| THEA 2370 or THEA 3360 .....                               | 3         |
| THEA 4330.....                                             | 3         |
| THEA 4610 or THEA 4450 or THEA 3120 .....                  | 3         |
| Production and Design Focused Electives <sup>3</sup> ..... | 9         |
| SLSC 4000 <sup>5</sup> .....                               | 1         |
|                                                            | 32        |

| FOURTH YEAR                                                | SEM. HRS. |
|------------------------------------------------------------|-----------|
| 2 of SMAT 1820, 1830, 2000, 2010, SSTA 3810.....           | 6         |
| Theatre Electives.....                                     | 5         |
| Natural Sciences <sup>2</sup> .....                        | 4         |
| SLSC 4900 .....                                            | 1         |
| THEA 4480.....                                             | 3         |
| THEA 2030 <sup>1</sup> .....                               | 1         |
| THEA 4320 or THEA 4050.....                                | 3         |
| THEA 4540.....                                             | 3         |
| Production and Design Focused Electives <sup>3</sup> ..... | 3         |
| SFPA 480T, 482T <sup>5</sup> .....                         | 5         |
|                                                            | 34        |

Total Semester Hours for Degree..... 129

### Footnotes:

- THEA 2030 is required each semester starting the spring semester first year through fall semester fourth year for a total of 6 hours.
- Two of one discipline (life or physical science) and one semester of the other.
- Choose from THEA 3140, 3240, 3250, 3260, 3300, 3350, 3390, 4270, 4310, 4420, 4430, 4550, 4560, 4570, 4580, 4590, 4600, 4630.
- All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- Thesis must focus on a topic related to Production and Design in Theatre.

## Psychology Joint Major

**Psychology Joint Major Requirements:** Specific core requirements – SBIO 1830, 1831, 1850, 1851; SCHM 1840 and 1841; SSTA 3810; support courses: SLSC 4000, SHUM 480T, 482T; major courses – Psychology 1010, 2040, 2050, 2430, 3010, 3020, 3030, 3050 or 3060, 4410, 4440, 4450, 4470, 4490, 4510.

The LSC thesis courses, SLSC 4000, SHUM 480T, 482T, replace additional Psychology electives and must be on a topic in psychology. LSC electives – 9 hrs. Majors may not count any grade in psychology lower than a C towards the major.

### Available Concentrations:

**Industrial Organizational Behavior (859D):** (15 semester hours) PSYC 4500; MGT 3220; MGT 4270; MGT 4320; MGT 4500; PSYC 4600 (optional).

**Prevention Specialist (859C):** (12 semester hours) HED 3000; MGT 2500, 3220; PSYC 4700; PSYC 4600 (optional).

**Substance Abuse (859B):** (12 Semester hours) HED 4600; CJ 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

## Curriculum for Psychology (859)

| FIRST YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| SCTT 1810, 1820 .....                | 7         |
| Psychology 1010, 2040.....           | 6         |
| ENGL 1010.....                       | 3         |
| SCRT 181W.....                       | 3         |
| 1 from SMAT 1820, 1830, or 2000..... | 3         |
| SBIO 1830, 1831, 1850, 1851 .....    | 8         |
| SOR 1010.....                        | 1         |
|                                      | 31        |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SCTT 2810, 2820.....                        | 8         |
| SSTA 3810.....                              | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> ..... | 4         |
| Psychology 2050, 2430, 3010.....            | 9         |
| Academic Electives <sup>2</sup> .....       | 5         |
|                                             | 29        |

| THIRD YEAR                                     | SEM. HRS. |
|------------------------------------------------|-----------|
| SLSC 4000.....                                 | 1         |
| SCHM 1840, 1841 or SPHY 1830, 1831.....        | 4         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....    | 4         |
| Psychology 3020, 3050 or 3060, 4410, 4490..... | 12        |
| PSYC 3030.....                                 | 3         |
| Academic Electives <sup>2</sup> .....          | 6         |
|                                                | 30        |

| FOURTH YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| SHUM 480T, 482T.....                   | 5         |
| SLSC 4900.....                         | 1         |
| Psychology 4440, 4450, 4470, 4510..... | 12        |
| Academic electives <sup>2</sup> .....  | 12        |
|                                        | 30        |
| Total Semester Hours for Degree.....   | 120       |

Footnotes:

- 1 All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 2 Electives may be used to satisfy the concentration in Industrial Organizational Behavior (859D), Prevention Specialist (859C), Substance Abuse (859B), or a minimum of 9 hours must be courses with Scholars' prefixes.
- 3 EDUC 3220 and EDUC 4981 must be taken concurrently.

## Radiologic Sciences Joint Major

**Radiologic Sciences Requirements:** SCHM 1840; SCTT 1810, 1820, 2810; SOR 1010; 6 hours from SMAT 1820, 1830, 2000, 2010, SSTA 3810; ENGL 1010; SCRT 181W; 3 hours from SSOT, EPSY 2020, PSYC 1010, or 2050; BIOL 2250, 2251; 2260, 2261. Major Courses: Allied Health 1020, 2200, 2210, 3840, 4520, 4610, 4630 and one of the two available areas of concentration.

### Available Concentration:

**Radiography (862R):** (57 semester hours) RADS 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3910, 3911, 3920, 4510, 4511, 4530, 4611, 4620, 4711, ALHE Advance Imaging Elective, ALHE 2500.

**Ultrasound (862U):** (59 semester hours) SONO 3211, 3320, 3300, 3311, 3810, 3811, 3820, 3900, 3910, 3911, 3920, 4510, 4511, 4600, 4611, 4700, 4711, 4900.

### Curriculum for Radiologic Sciences (862)

| FIRST YEAR                                                | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| SCTT 1810, 1820.....                                      | 7         |
| Allied Health 1020, 2200.....                             | 4         |
| 3 hours from PSYC 1010, 2050, EPSY 2020, or any SSOT..... | 3         |
| Biology 2250, 2251.....                                   | 4         |
| SCHM 1840.....                                            | 3         |
| English 1010, SCRT 181W.....                              | 6         |
| One of SMAT 1820, 1830, 2000, 2010, SSTA 3810.....        | 3         |
| SOR 1010.....                                             | 1         |
|                                                           | 31        |

| SECOND YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| SCTT 2810.....                                     | 4         |
| One of SMAT 1820, 1830, 2000, 2010, SSTA 3810..... | 3         |
| Allied Health 2210.....                            | 3         |
| Biology 2260, 2261.....                            | 4         |
| COMM 1010 or PHIL 1010.....                        | 3         |
| Concentration dependent courses <sup>2</sup> ..... | 11        |
| Social Science <sup>1</sup> .....                  | 3         |
|                                                    | 31        |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Allied Health 3840, 4520.....                      | 6         |
| Concentration dependent courses <sup>2</sup> ..... | 27        |
|                                                    | 33        |

| FOURTH YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| Allied Health 4610, 4630.....                        | 6         |
| Concentration dependent courses <sup>2,3</sup> ..... | 19        |
|                                                      | 25        |
| Total Semester Hours for Degree.....                 | 120       |

Footnotes:

- 1 Refer to University core requirements.
- 2 Refer to concentration requirements.
- 3 Radiography concentration students will choose an ALHE 4850, 4910, or 4950. Ultrasound concentration students are not required to complete an Advanced Imaging Elective.

## Secondary Education and Teaching Joint Major

**Secondary Education and Teaching Joint Major Requirements:** (47 hours) ENGL 1010; SCRT 181W (3 hrs.); SCTT 1810, 1820, 2810, 2820 (15 hrs.); mathematics courses designated by concentration to meet core (6 hours); science courses designated by concentration to meet core (12 hours); foreign language (8 hours).

**Knowledge of the Learner and Learning Environment:** (18 hours) EDUC 2020, 3010, 3220; EPSY 2020, 3000; SPED 3460.

**Methodology & Teaching:** (21 hours) RDG 4050, EDUC 3140, 4010, 4981, 4982; ETEC 3010.

**Additional Hours:** (7 hours) SLSC 4900 (1hour); SLSC 4000 or SBUS 4000, and SBUS, SHUM OR SSCI 480T, 482T (6 hours); SHUM or SSCI 480T, 482T (6 hours).

### Available Concentrations:

#### Biology Education: (825B)

**General Education specific requirements:** SBIOL 1830, 1831, 1850, 1851; SCHM 1840, 1841; SMAT 1820, 2000.

**Concentration** (30 hrs.): SPHY 1830, 1831; BIOL 2080-2081, 2100-2101 3250, 3270, 3271, 3280. Seven hours of BIOL electives are also required from the following: 2050-2051, 2060-2061, 2140-2141, 2950, 3010-3011, 3040-3041, 3140-3141, 3170-3171, 3340-3341, 4040-4041, 4120-4121, 4190-4191, 4220-4221, 4270, 4300-4301, 4310-4311, 4320, 4350-4351, 4360-4361, 4400-4401 or SBIO 3000/4000 courses, or SLSC 4820. (SSCI 480T replaces BIOL 4910 in this concentration.) Three hours of an English Elective. Total hours: 125 hours.

#### Business Education: (825U):

**General Education specific requirements:** two from SMAT 1820, 2000; or SSTA 3810 (6 hours).

**Concentration** (28 hours): BUAD 1040, 1800, 2200, 3250; ACCT 2000, 2010; SECO 2810; MGT 3220; MKTG 3230. Total hours: 122 hours.

#### English Education: (825A)

**General Education specific requirements:** None.

**Concentration** (36 hours): ENGL 2070, 3010, 3210, 3100, 3150, 3160, 3170; ENGL 3190 or 3200, SENG 3810 or ENGL 4190, EDUC 4630, ENGL 3000/4000 (6 hours). Total hours: 126 hours.

#### Mathematics Education: (825C)

**General Education specific requirements:** SBIO 1830, 1831; SCHM 1840, 1841; one from SBIO 1850-51 or SCHM 1860-61 (12 hours). (MATH 2100 and 2110 replace SMAT 2000 and 2010 in the Common Curriculum.)

**Concentration** (37 hours): SPHY 1830, 1831; MATH 1010, 2100, 2110, 2080, 3000, 3090, 3020, 3100, 4070. Three-hour English elective. Total hours: 129 hours.

### Social Studies Education: (825D)

**General Education specific requirements:** None.

**Concentration** (43 hours): ANTH 1510 or 2020; GEOG 1010, 1020, 2020, 3050; SECO 2810; HIST 2010 or 2020; HIST 3040, 3100; PSCI 2010, 2020, 2090; SOC 1010; SHIS/HIST 3000/4000 Advanced European/non-American History elective. Total hours: 133 hours.

### Curriculum for Secondary Education and Teaching (825)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Education 2020 .....                               | 3         |
| Mathematics <sup>1</sup> .....                     | 6         |
| Natural Sciences <sup>1</sup> .....                | 8         |
| ENGL 1010 .....                                    | 3         |
| SCRT 181W .....                                    | 3         |
| SCTT 1810, 1820 .....                              | 7         |
| SOR 1010 .....                                     | 1         |
| Concentration-dependent courses <sup>3</sup> ..... | 0-5       |
|                                                    | 31-36     |

| SECOND YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| Concentration-dependent courses <sup>3</sup> ..... | 7-15      |
| Educational Psychology 2020 .....                  | 3         |
| Natural Sciences <sup>1</sup> .....                | 4         |
| SCTT 2810, 2820 .....                              | 8         |
| Special Education 3460 .....                       | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....        | 4         |
|                                                    | 29-37     |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Concentration-dependent courses <sup>3</sup> ..... | 17-24     |
| Education 3140 <sup>4</sup> .....                  | 3         |
| Educational Psychology 3000 <sup>4</sup> .....     | 3         |
| Educational Technology 3010 <sup>4</sup> .....     | 3         |
| SLSC 4000 .....                                    | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> .....        | 4         |
|                                                    | 31-38     |

| FOURTH YEAR                                                              | SEM. HRS. |
|--------------------------------------------------------------------------|-----------|
| Concentration-dependent courses <sup>3</sup> .....                       | 3-9       |
| Education 3010, 4010, 3220 <sup>5</sup> , 4981 <sup>5</sup> , 4982 ..... | 18        |
| Reading 4050 .....                                                       | 3         |
| SHUM 480T, 482T or SSCI 480T, 482T .....                                 | 5         |
|                                                                          | 30-36     |

Total Semester Hours for Degree: ..... 123-137

#### Footnotes:

- <sup>1</sup> Selected to meet Scholars' core and concentration requirements.
- <sup>2</sup> All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>3</sup> Courses are determined by concentration area.
- <sup>4</sup> EPSY 3000, EDUC 3140, and ETEC 3010 must be taken concurrently.
- <sup>5</sup> EDUC 3220 and EDUC 4981 must be taken concurrently.

### Sport and Recreation Management Joint Major

**Sport and Recreation Management Joint Major Requirements:** Specific core requirements: PSYC 1010; SLSC 4000; SSCI 480T, 482T; Major requirements: Human Performance 2000, 3300, 3310, 3320, 4200, 4400, 4410, 4430, 4470; 9 hours of Health Education 1010, 4500 and 4600; 21 hours of required related courses; and 7 hours of advisor approved electives.

### Curriculum for Sport and Recreation Management, (879)

| FIRST YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| English 1010, SCRT 181W .....        | 6         |
| SMAT 1820, 1830, 2000, or 2010 ..... | 3         |
| SSTA 3810 .....                      | 3         |
| Health Education 1010 .....          | 3         |
| SCTT 1810, 1820 .....                | 7         |

|                                        |    |
|----------------------------------------|----|
| Business Administration 1800 .....     | 3  |
| SOR 1010 .....                         | 1  |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> ..... | 4  |
| Human Performance 2000 .....           | 3  |
|                                        | 33 |

| SECOND YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....      | 8         |
| Accounting 2000 .....                       | 3         |
| Business Law 2250 .....                     | 3         |
| SCTT 2810, 2820 .....                       | 3         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>2</sup> ..... | 8         |
| Business Administration 3250 .....          | 3         |
| Psychology 1010 .....                       | 3         |
|                                             | 31        |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| SLSC 4000 .....                                      | 1         |
| Human Performance 3300, 3310, 3320, 4300, 4400 ..... | 15        |
| Business Administration 3250 .....                   | 3         |
| Management 3220 .....                                | 3         |
| Marketing 3230 .....                                 | 3         |
| Communication 2110 or 3500 .....                     | 3         |
| Health Education 4500 .....                          | 3         |
|                                                      | 31        |

| FOURTH YEAR                                                  | SEM. HRS. |
|--------------------------------------------------------------|-----------|
| Human Performance 4410, 4430, 4470 .....                     | 9         |
| Health Education 4600 .....                                  | 3         |
| Business Administration 4190 or Marketing 4200 or 4600 ..... | 3         |
| Academic Electives .....                                     | 4         |
| SSCI 480T, 482T <sup>3</sup> .....                           | 5         |
| SLSC 4900 .....                                              | 1         |
|                                                              | 25        |

Total Semester Hours for Degree: ..... 120

#### Footnotes:

- <sup>1</sup> Two of one discipline (life or physical science) and one semester of the other.
- <sup>2</sup> All 8 credit hours must be of the same language.  
SSPN/SFRE/SGRK/SLTN/SRUS<sup>1</sup> replace ENG 3210 or 3230 requirement.
- <sup>3</sup> Replaces advisor approved electives.

### Social Work Joint Major

**Social Work Joint Major Requirements:** (62 semester hours) Students seeking a major in Social Work must complete 62 semester hours within the 120 semester hour Social Work curriculum, which include Social Work 2090, 2010, 2100, 3030, 3040, 3070, 3090, 3120, 3130, 3140, 3150, 3180, 3350, 4040, 4190 (12), 4350, 4900. Support courses: SLSC 4000, SHUM 480T, 482T (6 hours). No grade lower than "C" in a required social work course may be counted toward the social work major curriculum, nor used to meet a prerequisite.

Under no circumstances are academic credits to be awarded in Social Work courses for life or work experiences.

### Curriculum for Social Work (873)

| FIRST YEAR                                      | SEM. HRS. |
|-------------------------------------------------|-----------|
| SCTT 1810, 1820 .....                           | 7         |
| ENGL 1010 .....                                 | 3         |
| SCRT 181W .....                                 | 3         |
| SBIO, SCHM, SECL, SPHY <sup>1</sup> .....       | 4         |
| SFRE, SGRK, SLTN, SRUS, SSPN <sup>2</sup> ..... | 4         |
| SOR 1010 .....                                  | 1         |
| One of SMAT 2000, 1820, 1830 .....              | 3         |
| Social Work 2100, 2090 .....                    | 6         |
|                                                 | 31        |

| SECOND YEAR                               | SEM. HRS. |
|-------------------------------------------|-----------|
| SBIO, SCHM, SECL, SPHY <sup>1</sup> ..... | 8         |
| SCTT 2810, 2820 .....                     | 8         |

|                                                 |    |
|-------------------------------------------------|----|
| SFRE, SGRK, SLTN, SRUS, SSPN <sup>2</sup> ..... | 4  |
| Social Work 2010, 3030, 3040, 3120 .....        | 12 |
|                                                 | 32 |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3         |
| SSTA 3810 .....                                      | 3         |



|                                                                      |                  |
|----------------------------------------------------------------------|------------------|
| SLSC 4000 .....                                                      | 1                |
| Social Work 3130, 3150, 3070, 3180, 3350, 3090, 4350.....            | 21               |
| Academic Elective.....                                               | 2                |
|                                                                      | <u>30</u>        |
| <b>FOURTH YEAR</b>                                                   | <b>SEM. HRS.</b> |
| SHUM 480T, 482T.....                                                 | 5                |
| SLSC 4900.....                                                       | 1                |
| Social Work 3140, 4040 <sup>3</sup> , 4190 <sup>3</sup> , 4900 ..... | 21               |
|                                                                      | <u>27</u>        |
| Total Semester Hours for Degree:.....                                | 120              |

Footnotes:

- 1 Two of one discipline (life or physical science and labs) and one semester of the other.
- 2 All 8 hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- 3 Social Work 4190 (field instruction) may be taken concurrently with Social Work 4040 at six hours credit per semester for two semesters or in one semester concurrently with Social Work 4040 at twelve hours credit.

### Theatre Joint Major

**Theatre Joint Major Requirements:** (61 to 62 semester hours) Students seeking a major in Theatre must complete 61 to 62 semester hours, within the 120 semester hour Theatre curriculum, which include a 36 semester hour theatre core and a 25 to 26 semester hour concentration. A “C” or better average is required for all theatre classes to complete requirements for graduation.

**Theatre Core:** (36 semester hours) Theatre 2030 (6 hours), 2140, 2300, 2310, 2320, 2360, 3350, 3380, 4330, 4480, and one from the following: Theatre 4260, 4340, 4350, 4370, 4380, or Dance 1070 and choice of available concentrations below; support courses: SLSC 4000, SFPA 480T, SFPA 482T.

**Available Concentrations:**

**Performance/Directing (814B):** (25 semester hours) Theatre 2340, 2350, 3320, 4220, 4250, Dance 3060 and six semester hours from the following: Theatre 2380, 3120, 3220, 4040, 4230, 4240, 4300, 4520, and four semester hours from: Dance 1020, 1040, 1190 or Music 1700, 1710, 3710.

**Musical Theatre Performance (814C):** (26 semester hours) Theatre 1001, 2340, 3320, 4230, 4250, Dance 3060, Music 1010, 1700 (2 hour), 1710 (3 hours), and three semester hours from the following: Theatre 2350, Dance 1020, 1040, 1190, 2020, 2190, 2460, 2590 3020, 3040, 3070, 3190.

### Curriculum for Theatre (814)

|                                                      |                  |
|------------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                    | <b>SEM. HRS.</b> |
| SCTT 1810, 1820 .....                                | 7                |
| ENGL 1010.....                                       | 3                |
| SCRT 181W .....                                      | 3                |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810.....       | 3                |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....               | 4                |
| SOR 1010.....                                        | 1                |
| Theatre 2140, 2300, 2320.....                        | 9                |
|                                                      | <u>30</u>        |
| <b>SECOND YEAR</b>                                   | <b>SEM. HRS.</b> |
| SCTT 2810, 2820.....                                 | 8                |
| SBIO/SECL/SCHM/SPHY <sup>1</sup> .....               | 8                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....          | 4                |
| Theatre 2030 <sup>3</sup> , 2310, 4480.....          | 8                |
| Theatre Concentration.....                           | 6                |
|                                                      | <u>34</u>        |
| <b>THIRD</b>                                         | <b>SEM. HRS.</b> |
| SLSC 4000.....                                       | 1                |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>4</sup> .....          | 4                |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050 ..... | 3                |
| Theatre 2030 <sup>3</sup> , 2360, 3350, 3380.....    | 11               |
| Theatre Concentration.....                           | 9                |
|                                                      | <u>28</u>        |

|                                                |                  |
|------------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                             | <b>SEM. HRS.</b> |
| SFPA 480T, 482T .....                          | 5                |
| SLSC 4900.....                                 | 1                |
| 1 from SMAT 1820, 1830, 2000 or SSTA 3810..... | 3                |
| Academic elective .....                        | 1-2              |
| Theatre 2030 <sup>3</sup> , 4330.....          | 5                |
| Theatre Concentration .....                    | 10 or 11         |
| Theatre History <sup>2</sup> .....             | 3                |
|                                                | <u>29</u>        |

Total Semester Hours for Degree..... 121

Footnotes:

- 1 Two of one discipline (life or physical science) and one semester of the other.
- 2 Choose from Theatre 4260, 4340, 4350, 4370, 4380 or Dance 1070.
- 3 THEA 2030 is required each semester of the second, third, and fourth year.
- 4 All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.

### Unified Public Safety Administration Joint Major

**Unified Public Safety Administration Joint Major Requirements:** (45 semester hours) Support courses: SLSC 4000; SHUM 480T, 482T (6 hours). Major requirements: Criminal Justice 4475; Management 3220; Philosophy 2020 or CJ 3380; Political Science 3060; Psychology 2450; Social Work 4450 or SOC 4080; Unified Public Safety Administration 2400, 2550, 2700, 3700, 4100, 4200 or CJ 4200, UPSA 4400, 4480, 4700; and a 20 hour concentration.

**Available Concentrations:**

**Law Enforcement Administration (860A):** (20 semester hours) CJ 1100, 2300, 3360; PSCI 3090; and 8 hours of approved electives (CJ 3090; UPSA 1500, 2100, 2500, 2900, 3000, 3400, 3600, 4000)

<sup>†</sup>Students enrolled in the Bachelor of Science degree in Unified Public Safety Administration, Law Enforcement Administration concentration (860A) and have successfully completed the requirements set by the Louisiana Police Officer Standards and Training (P.O.S.T.)\* Council for the police academy will be given credit for the following courses once they present their credentials to the University: CJ 1100, 2300, and nine hours of electives.

\*Other states equivalency certificates will be accepted in lieu of the Louisiana P.O.S.T. certificate.

**Fire and Emergency Medical Services Administration (860B):** (20 semester hours) UPSA 2250, 2400, 2900, 4300, 4350; and 5 hours of approved electives (CJ 3090; UPSA 1500, 2100, 2500, 3000, 3400, 3600, 4000).

<sup>†</sup>Students enrolled in the Fire and Emergency Medical Services Administration concentration (860B) and have completed their National Registry Emergency Medical Technician – Paramedic (NREMT-P) will be given credit for the following courses once they present their credentials to the University: CJ 4475; UPSA 2000, 2100, 2250, 2400, 2500, 2700, 2900, 1 hour elective.

<sup>†</sup>Students enrolled in the Fire and Emergency Medical Services Administration concentration (860B) and have completed their National Emergency Medical Service-Technician – (NEMS-T) will be given credit for the following course once they present their credentials to the University: UPSA 2250.

<sup>†</sup>Students enrolled in the Fire and Emergency Medical Services Administration concentration (860B) and have completed their Louisiana certifications recognized by the Louisiana Office of the State Fire Marshall (or other state’s equivalent) as a Firefighter I and II and Hazardous Materials will be given credit for the following courses once they present their credentials to the University: UPSA 2250 and 2900.

**Emergency Management Administration (860C):** (20 semester hours) UPSA 1500, 2100, 2500, 3400; and 8 hours of approved electives (CJ 2300, 3360; PSCI 3090; UPSA 2250, 2900, 3000, 3600, 4000, 4300, 4350).

†Students enrolled in the Emergency Management Administration concentration (860C) and have completed the Louisiana Emergency Basic Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2700, and 3700.

†Students enrolled in the Emergency Management Administration concentration (860C) and have completed the Foundational Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2900, and 3400.

†Students enrolled in the Emergency Management Administration concentration (860C) and have completed the Operational Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2700, 2900, 3400, and 3700.

†Students enrolled in the Emergency Management Administration concentration (860C) and have completed Advanced Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2700, 2900, 3400, 3700, 4480, and MGMT 3220.

†Students enrolled in the Emergency Management Administration concentration (860C) and have completed the Texas A&M Engineering Extension Service's certificate in Oil & Gas and Petroleum, Maritime, Environmental, General Industry, Aviation, Construction, Emergency Response or the Industrial Emergency Response Specialist will be given credit for the following courses once they present their credential to the University: UPSA 1500, 2400, 2500, 2550, 2700, and 2900.

## Curriculum for Unified Public Safety Administration (860)

| FIRST YEAR                                                 | SEM. HRS. |
|------------------------------------------------------------|-----------|
| ENGL 1010.....                                             | 3         |
| SCRT 181W.....                                             | 3         |
| 1 of SMAT 1820, 2000 or SSTA 3810.....                     | 3         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                     | 8         |
| Unified Public Safety Administration 2400, 2550, 2700..... | 9         |
| SCTT 1810, 1820.....                                       | 7         |
| SOR 1010.....                                              | 1         |
|                                                            | <u>34</u> |

| SECOND YEAR                                                  | SEM. HRS. |
|--------------------------------------------------------------|-----------|
| SCTT 2810, 2820.....                                         | 8         |
| SBIO/SECL/SCHM/SPHY <sup>2</sup> .....                       | 4         |
| Unified Public Safety Administration concentration area..... | 9         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                  | 4         |
| 1 from SMAT 1820, 2000 or SSTA 3810.....                     | 3         |
| 3 hours from: SSOT; EPSY 2020; PSYC 1010, 2050.....          | 3         |
|                                                              | <u>31</u> |

| THIRD YEAR                                                   | SEM. HRS. |
|--------------------------------------------------------------|-----------|
| SLSC 4000.....                                               | 1         |
| SSPN/SFRE/SGRK/SLTN/SRUS <sup>1</sup> .....                  | 4         |
| Management 3220.....                                         | 3         |
| Criminal Justice 4200 or UPSA 4200; 4475.....                | 6         |
| Unified Public Safety Administration 4700.....               | 3         |
| Unified Public Safety Administration concentration area..... | 3         |
| Political Science 2010, 3060.....                            | 6         |
| Philosophy 2020 or Criminal Justice 3380.....                | 3         |
| Psychology 2450.....                                         | 3         |
|                                                              | <u>32</u> |

| FOURTH YEAR                                                      | SEM. HRS. |
|------------------------------------------------------------------|-----------|
| Social Work 4450 or Sociology 4080.....                          | 3         |
| Unified Public Safety Administration 3700, 4100, 4400, 4480..... | 12        |
| Unified Public Safety Administration concentration area.....     | 9         |
| SLSC 4900.....                                                   | 1         |
| SHUM 480T, 482T.....                                             | 5         |
|                                                                  | <u>30</u> |

Total Semester Hours for Degree..... 127

### Footnotes:

- <sup>1</sup> All 8 credit hours must be of the same language. Consult your advisor about the timing of course rotations in the languages.
- <sup>2</sup> Two of one discipline (life or physical science) and one semester of the other.

# MRS. H. D. DEAR, SR. AND ALICE ESTELLE DEAR SCHOOL OF CREATIVE AND PERFORMING ARTS

102 Creative and Performing Arts Center

318-357-4522

capa@nsula.edu

**Director:** Scott Burrell, *Professor*

*Director Emeritus:* William E. Brent

## **Departments Within the Mrs. H.D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts**

Department of Fine and Graphic Arts

Department of Music

Department of New Media, Journalism, and Communication Arts

Department of Theatre and Dance

## **Degree Programs Available Through the Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts**

Bachelor of Arts program in: Communication, with concentrations in: journalism, broadcast and digital media production, sports media, and strategic communication

Bachelor of Fine Arts programs in: Dance; Fine and Graphic Arts with concentrations in: craft, graphic communications, interdisciplinary design, and studio art; Musical Theatre, Production and Design

Bachelor of Music with concentrations in: music business, performance, and sacred music

Bachelor of Science program in: Theatre, with concentrations in: musical theatre performance, and performance/directing

Master of Art program in: Art

Master of Music with concentrations in: music education, and performance

## **Accreditations**

The Fine and Graphic Arts program is accredited by the National Association of Schools of Art and Design (NASAD). All degree programs in music are accredited by the National Association of Schools of Music (NASM). The baccalaureate degree in Theatre is accredited by the National Association of Schools of Theatre (NAST).

# DEPARTMENT OF FINE AND GRAPHIC ARTS

110 Creative & Performing Arts Center  
318-357-4522  
art@nsula.edu

**Department Head:** Leslie Gruesbeck, *Associate Professor*

*Professor Emeritus:* Rivers Murphy

*Professors:* DeFord, Enriquez, Hyams

*Associate Professors:* Covher

*Assistant Professors:* Callander, Cano, Robison, Scherff

## Degree Programs Available Through the Department of Fine and Graphic Arts

Bachelor of Fine Arts program in: Fine and Graphic Arts, with concentrations in: craft, graphic communications, interdisciplinary design, and studio art

Master of Arts program in: Art

### Fine and Graphic Arts

The Fine and Graphic Arts program is accredited by the National Association of Schools of Art and Design (NASAD), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190. Telephone number 703-437-0700.

**Fine and Graphic Arts Major requirements:** (80 semester hours) Students seeking a major in Fine and Graphic Arts must complete 80 semester hours, within the 120 semester hour Fine and Graphic Arts curriculum, which include a 50 semester hour art core and a 30 hour concentration. Students must choose a concentration. A grade of “C” or better is required in all Art classes to complete requirements for graduation.

**Core:** (50 hours) Art 1010, 1020, 1060, 1070, 1350, 2000, 2140, 2160, 2290, 2340, 3240 or 3540, 3280, 3520, 3530, 3550, 4980, 4990; BUAD 1040.

**Concentration:** (All Fine and Graphic Arts majors must select a 30 semester hour concentration as defined below after passing ART 2160 and its accompanying sophomore review.)

**Available Concentrations:** (30 semester hours of Art courses each)

**Craft (214D):** Select 30 semester hours from: Art 2060, 2270, 2280, 2350, 2400, 3000, 3130, 3260, 3270, 3350, 3400, 3580, 3650, 3880, 4030 (subtitle 03, 05 or 08), 4320, 4460, 4480, 4490, 4590, 4690, 4780.

**Graphic Communications (214A):** Art 2560, 3410, 3560, 3810, 3960, 4390, 4400, 4560, 4610, 4960. (30 semester hours).

**Interdisciplinary Design (214E):** select 30 semester hours from: CIS 1030, 3020, 2040, 2980; ART 2560, 3560, 3960, 3410, 4560, 3810, 4960, 4390, 4610, 4980, 4990.

**Studio Art (214B):** Select 30 semester hours from: Art 2020, 2060, 2120, 2130, 2270, 2280, 2350, 2400, 3000, 3010, 3020, 3130, 3150, 3160, 3210, 3250, 3260, 3270, 3350, 3400, 3580, 3600, 3650, 3880, 4030, 4290, 4320, 4390, 4400, 4450, 4460, 4480, 4490, 4590, 4690, 4780, 4890.

**Senior Exhibition:** Graduating seniors will be required to demonstrate studio competence by presenting a public exhibition for faculty committee evaluation. Specific areas of deficiency will require additional study. All Fine and Graphic Arts students must take Art 4990 their senior year to satisfy senior exhibition requirements.

**Art minor requirements:** (20 semester hours) Art 1010, 1020, 1060, 1070; BUAD 1040; and six semester hours of Fine and Graphic Arts electives. A grade of “C” or better is required in all Art classes to complete requirements to be awarded minor upon graduation.

**Photography minor requirements:** (21 semester hours) Art 1010, 2290, 4390, 4490, BUAD 1040, and select six semester hours from 4590, 4690, and 4890.

### Curriculum for Fine and Graphic Arts (214)

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Art 1010, 1020, 1060, 1070, 3520.....        | 14        |
| English 1010, 1020.....                      | 6         |
| Fine Arts 1040.....                          | 3         |
| Mathematics <sup>1</sup> .....               | 3         |
| Social/behavioral Science <sup>1</sup> ..... | 3         |
| University Studies 1000.....                 | 1         |
|                                              | 30        |

| SECOND YEAR                                               | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| Art 1350, 2140, 2160, 2290, 2340, 3240 or 3540, 3530..... | 20        |
| Concentration <sup>2</sup> .....                          | 3         |
| Humanities <sup>1</sup> .....                             | 6         |
| Mathematics <sup>1</sup> .....                            | 3         |
|                                                           | 32        |

| THIRD YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Art 2000, 3280, 4980.....                    | 9         |
| Business Administration 1040.....            | 3         |
| Concentration <sup>2</sup> .....             | 9         |
| Natural Sciences <sup>1</sup> .....          | 3         |
| Social/behavioral Science <sup>1</sup> ..... | 3         |
|                                              | 27        |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Art 3550, 4990.....                 | 4         |
| Concentration <sup>2</sup> .....    | 18        |
| Humanities <sup>1</sup> .....       | 3         |
| Natural Sciences <sup>1</sup> ..... | 6         |
|                                     | 31        |

Total Semester Hours for Degree ..... 120

Footnotes:

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> Refer to concentration area.

## Graduate Program

### Master of Arts Program in: Art (511)

Admission Requirements: Admittance to the Master of Arts in Art at Northwestern State University requires the following:

1. Three letters of recommendation from arts professionals who can attest to the student's proficiency and professionalism.
2. Unofficial undergraduate transcripts showing a degree in art, or an arts related field with a minimum of 18 credit hours in the visual arts. A minimum GPA of 3.0 in the major is suggested.

3. A letter of intent stating why the student is interested in pursuing a graduate degree, defining their long-term goals and objectives. The student should also address what strengths they can bring to the graduate program at Northwestern State and how the student will use the graduate experience to self challenge.
4. A set of 20 slides or a CD-Rom containing a minimum of 20 images of undergraduate work.
5. An interview with a faculty committee comprised of a minimum of three graduate art faculty.

**Required Studies:** 33 semester hours as detailed below.

**AREA I: ART HISTORY & CRITICISM (6 hours)**

selected from:

- 5460<sup>1</sup> Research in Art History
- 5950<sup>1</sup> Research in Art

<sup>1</sup>5460 or 5950 is required the first semester of enrollment.

**AREA II: EMPHASIS SPECIFIC (18 hours) selected from:**

- 5010<sup>2</sup> Advanced Problems in Painting
- 5020<sup>2</sup> Advanced Problems in Drawing
- 5080<sup>2</sup> Advanced Problems in Design
- 5090<sup>2</sup> Advanced Problems in Photography
- 5110<sup>3</sup> Advanced Problems in Crafts
- 5130<sup>2</sup> Advanced Problems in Sculpture
- 5140<sup>2</sup> Experimental Studio
- 5220<sup>2</sup> Advanced Graphics
- 5240<sup>4</sup> Graduate Studio
- 5420<sup>2</sup> Advanced Problems in Watercolor
- 5440<sup>2</sup> Advanced Problems in Ceramics
- 5450<sup>2</sup> Advanced Problems in Commercial Art
- 5700 Advanced Problems in New Media Design

<sup>2</sup>May be repeated for a total of 6 hours credit when topic varies.

<sup>3</sup>May be repeated for a total of 12 hours credit when topic varies.

<sup>4</sup>May be repeated for a total of 15 hours credit when topic varies.

**AREA III: GRADUATE SEMINAR (3 hours)**

- 5900 Graduate Seminar

**AREA IV: FINAL PROJECT – CREATIVE RESEARCH PROJECT (6 hours)**

- 5970 Creative Research Project Documentation
- 5980 Creative Research Project Exhibition

Each candidate for the Master of Arts in Art must demonstrate studio competency by presenting a public exhibition of his/her work and provide supporting documentation to accompany it. Details of both are designed in consultation with the student's graduate committee. Specific criteria for this creative research project are detailed in the publication General Guidelines for Theses, Field Studies, Creative Research, or Research Papers-in-lieu-of-Thesis available from the Graduate School. The culmination of this project will be a comprehensive oral exam.

## Accelerated Bachelor of Arts in Liberal Arts with Concentration in Fine and Performing Arts (820C) and Master of Arts in Art (511)

The combined B.A. in Liberal Arts and M.A. in Art program offers qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. After completing all the requirements of the program, the student will be awarded both the B.A. and M.A. Complete curriculum and admission requirements are found within the Louisiana Scholars' College chapter.

# DEPARTMENT OF MUSIC

110 Creative & Performing Arts Center

318-357-4522

nsumusic@nsula.edu

**Department Head:** Terrie Sanders, *Professor*

*Professor Emeritus:* Burt Allen, Dennette McDermott

*Professors:* Bakenhus, P. Forsyth, Handel, Kuroda, Kurti, McLaren, Thompson

*Associate Professors:* Christopher, Deville, Dunn, Hsieh, L. Forsyth, McKee, Molina, Pursell, Rodriguez, Yang

*Assistant Professors:* M. Blair, Cardwell, Clark, Hudlow, Philley, Price, Pulling, Sczepanik, Thomas

*Instructors:* A. Blair, Steele, Tchetchelashvili

## Degree Programs Available Through the Department of Music

Bachelor of Music with concentrations in: music business, performance, and sacred music

Master of Music with concentrations in: music education, and performance

### Music

The degree program in music is fully accredited by the National Association of the School of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700.

**Music Major Requirements:** (81 semester hours) Students seeking a major in Music must complete 81 semester hours of the 120-semester hour degree within the Music curriculum. 46 of these hours are specific to the particular concentration while the remaining 35 hours consist of supportive courses in music. All music students must elect one of the concentrations listed below:

**Available Concentrations:** (46 hours each)

**Music Business (242E):** Music 1710 for four semesters (8 credit hours), MUS 3710 for two semesters (4 credit hours), 8 hours of ensembles, 4 credit hours of piano, to be chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A; MUS 4200, MUS 4400, MUS 4720 (minimum 1 credit hour), ACCT 1040 or ECON 2010, COMM 2040, MUS 4730 MUS 2860; Choice of MUS 2870, 2880, or 2890.

Furthermore: Students must take ECON 2000 to fulfill Social Science core requirement. Students must take MUS 4200 in lieu of MUS 4060. Students may take 2 credit hours of MUS 1700 in lieu of either MUS 2030 or MUS 2040; or Students may take MUS 3500, 3600, 3700 or 4130 plus 1 hour of MUS 1700 (3 credit hours) in lieu of MUS 2030 and 2040. In lieu of foreign language requirement, students must take 3 hours from: BUAD 1040, BUAD 2200, MGT 2500, MKTG 3230, COMM 2400, COMM 2440, THEA 3390, and 3 hours from MUS 4740, 2870, 2880 or 2890. Students may take MUS 2170 in lieu of MUS 2160 and 2161; students may take MUS 4070 in lieu of 4010.

**Performance (242P):** Music 1710 for four semesters (8 credit hours), MUS 3710 for four semesters (12 credit hours), MUS 4150 (Pedagogy), MUS 4390 (Performance Literature), MUS 4720 (Senior Recital), 4 hours of piano chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A, 8 hours of ensembles, 6 hours of music electives.

**Sacred Music (242M):** Music 1710 for four semesters (8 credit hours), MUS 3710 for three semesters (6 credit hours), MUS 1230 (Diction), MUS 2120, 2130, 3120, 3130, 4120 (Church

Music History, Liturgics, Hymnody, and Administration), MUED 4520 (Choral Literature), MUS 3100 (Choral Conducting), MUS 4720 (Senior Recital), 4 hours of piano chosen from MUS 1800, 1810, 1820, 1830, 1700A, 1710A, 8 hours of ensembles and 2 hours of music electives.

**Music Minor Requirements:** (select from one of the areas below)

**Performance:** (26 semester hours) MUS 1150, 1151, 1160, 1161; four hours from MUS 2030, 2040, 3030, 3040, plus 12 hours from MUS 1700 or 1710 (at least eight of these being in the same performance area) and four hours of music electives (must include a music ensemble).

**Music Business:** (26 semester hours) 3 credits in MUS 1000 or 1150 and 1151, MUS 2990 Subtitle 01 – Survey of Music Business, additional MUS 2990, MUS 4400, MUS 4200, 4 credits of ensembles, 4 credits of MUS 1700 or 1710, 3 credit hours chosen from: BUAD 1040, MGT 2500, BUAD 2200, MKTG 3230, BUAD 3250, or BUAD 3280.

**Music Theory:** (26 semester hours) MUS 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161; four hours from MUS 2030, 2040, 3030, 3040; 6 hours from MUS 1700 or 1710 and four hours of music electives (must include a music ensemble).

## Fees and Special Requirements

**Special Requirements:** Music majors are required to attend recitals and concerts and to participate in performing ensembles, as listed in the individual curricula in this catalog. All music majors must pass a proficiency examination in piano. Music majors are required to practice a minimum of one hour a day for each credit hour of major applied study and one-half hour a day for each credit hour of minor applied study. Students seeking a double major have a residency requirement of five years, or four years and three summers.

Admission to the Bachelor of Music (Performance Concentration) degree program is by audition only. This represents an addition to regular university admission requirements. Procedures vary for the administration of this audition, depending on students' instrumental/vocal specialty. Thus, students should consult with applied teachers regarding specifics. Preliminary taped auditions are allowed for provisional admission; however, a live audition is required for full admission to the Bachelor of Music (Performance Concentration) program.

**Private Lessons:** To enroll in private lessons, a student must be a full-time student at NSU. Exceptions to this rule require approval of the head of the Dear School of Creative and Performing Arts, the Dean of Arts and Sciences, and the Provost.

**Fees:** There are no special fees for music majors and students within a declared music minor or those performing with major ensembles. Other students pay a fee of \$60 a semester for one one-hour private lesson per week and \$30 for one half-hour private lesson per week. They must also pay a fee of \$5 a semester for renting a practice room for one hour a day and \$2 for each additional hour.

## Curriculum for Music (242)

| FIRST YEAR                                                                              | SEM. HRS. |
|-----------------------------------------------------------------------------------------|-----------|
| English 1010, 1020 .....                                                                | 6         |
| Ensembles <sup>2</sup> .....                                                            | 2         |
| Fine Arts 1040 .....                                                                    | 3         |
| Mathematics <sup>1</sup> .....                                                          | 6         |
| Music 1150, 1151, 1160, 1161 .....                                                      | 6         |
| Music 1710 and 1500 each semester .....                                                 | 4         |
| University Studies 1000 .....                                                           | 1         |
| Piano <sup>3</sup> .....                                                                | 2         |
|                                                                                         | 30        |
| SECOND YEAR                                                                             | SEM. HRS. |
| Ensembles <sup>2</sup> .....                                                            | 2         |
| Foreign language <sup>4</sup> .....                                                     | 6         |
| Humanities <sup>1</sup> .....                                                           | 6         |
| Music 2030 <sup>9</sup> , 2040, 2150, 2151, 2160 <sup>8</sup> , 2161 <sup>8</sup> ..... | 10        |
| Music 1710 and 1500 each semester .....                                                 | 4         |
| Natural Sciences <sup>1</sup> .....                                                     | 3         |
|                                                                                         | 33        |
| THIRD YEAR                                                                              | SEM. HRS. |
| Ensembles <sup>2</sup> .....                                                            | 2         |
| Music 3030, 3040, 3090 .....                                                            | 6         |
| Music 1500 each semester .....                                                          | 0         |
| Music Concentration <sup>5</sup> .....                                                  | 12        |
| Natural Sciences <sup>1</sup> .....                                                     | 3         |
| Social/behavioral science <sup>1</sup> .....                                            | 3         |
|                                                                                         | 26        |
| FOURTH YEAR                                                                             | SEM. HRS. |
| Ensembles <sup>2,10</sup> .....                                                         | 2         |
| Humanities <sup>1</sup> .....                                                           | 3         |
| Music 4010 <sup>11</sup> , 4060 <sup>7</sup> , 4720 <sup>6</sup> .....                  | 8         |
| Music Concentration <sup>5</sup> .....                                                  | 12        |
| Natural Sciences <sup>1</sup> .....                                                     | 3         |
| Social/behavioral science <sup>1</sup> .....                                            | 3         |
|                                                                                         | 31        |
| Total Semester Hours for Degree .....                                                   | 120       |

### Footnotes:

- <sup>1</sup> Selected to meet University Core requirements. Music Business students must take ECON 2000 to fulfill social science core requirement.
- <sup>2</sup> Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 14 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, 1420, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.
- <sup>3</sup> Piano majors are required to take MUS 4490 and 4260 in their third and fourth years respectively in lieu of MUS 1800, 1810, 1820, 1830 and 2 credits of performance elective.
- <sup>4</sup> Three hours of foreign language must be in German, French, or Italian. Music Business students take 6 credit hours of business or music business electives, listed in the concentration requirements, in lieu of foreign languages.
- <sup>5</sup> For Performance Concentration, piano students must take 4 hours in music electives other than piano, and vocal students must take 3 hours of diction from MUS 1230, 1220, 1210 and 3 hours in MUS 4270. Instrumental students may take music elective in MUS 1700, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, and 1430. For Sacred Music concentration, students whose primary instrument is voice must enroll in 2 hours of MUS 1700 piano lessons; Keyboard students must enroll in 2 hours of MUS 1700 voice lessons. For Music Business concentration: 3 hours must be MUS 3860 and 3 hours must be chosen from MUS 3870, 3880 or 3890.
- <sup>6</sup> MUS 4720 (Recital): Performance Concentration students will give a solo recital. Sacred Music Concentration students present a recital which may consist of one or more performance media, including conducting. Music Business students must give a junior recital or half-senior recital in performance or composition for 1 credit hour and a free music elective for 1 credit hour.

- <sup>7</sup> Sacred Music Concentration students must take MUS 4140 in lieu of 4060. Music Business students must take MUS 4200 in lieu of 4060.
- <sup>8</sup> Music Business students may take MUS 2170 (Jazz Theory) in lieu of MUS 2160 and 2161.
- <sup>9</sup> Music Business students may take 2 hours of MUS 1700 in lieu of MUS 2030; or 1 hour MUS 1700 and choice of MUS 2500, 3600, 3700, 4130 in lieu of MUS 2030 and MUS 2040.
- <sup>10</sup> Music Business students take 2 hours of music electives in lieu of ensembles during the fourth year.

**NOTE:** Proficiency requirement in major performance area must be satisfied prior to being admitted to 3710-level study. Music majors must earn at least a "C" (2.0) in each music course in order for those courses to be credited as completed prerequisites or to count as graduation requirements.

**NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

## Graduate Program

### Master of Music (542)

All degree programs in music are fully accredited by the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700. The Master of Music at Northwestern State University offers two concentrations to further prepare students for careers as educators and performers as well as for further advanced study. Students must choose and be accepted into one of the concentration areas: Music Education or Performance.

#### Available Concentrations (32 hours each):

Music Education (542A)

Performance (542B)

#### Music Education (542A)

**Admission Requirements** for Master of Music with a concentration in Music Education:

- Bachelor's degree in music education and teacher certification preferred, bachelor's degree in music minimum, cumulative grade point average of 2.75;
- Graduate Record Examination (GRE) scores with a minimum of 282 on verbal plus quantitative sections (preferred), or complete an Application Portfolio;
- Two written letters of recommendation from music education professionals that attest to the applicant's preparedness for graduate study in music education;
- Letter of Intent (500 words minimum) that discusses the applicant's goals and reasons for pursuing the Master of Music with a concentration in Music Education Degree, and how their graduate study at NSU fits into their plan; and
- Highly recommended that applicants without a valid teaching license pursue alternate certification concurrent with their master's program.

#### Application Portfolio

If GRE scores are not submitted, an Application Portfolio must be completed for full consideration for admission. Priority deadlines: April 1 for Fall admission, November 1 for Spring admission.

1. Resume/*curriculum vita* (cv); and
2. Writing sample of not more than 15 pages demonstrating facility in analysis, argument, research, and coherence.

#### Diagnostic Exam

Each student will take a Diagnostic Exam in music theory, aural skills, and music history and literature. The diagnostic exam is designed to ascertain levels of competency. A Deficiency Plan will be developed for those who score below minimum standards. MUS 5010, 5050 (Practical Review and other remedial courses) do not satisfy minimum degree requirements. The Deficiency Plan must be completed prior to 1) enrollment in any advanced course in deficient areas, 2) the Comprehensive Exam, and 3) the Final Project.

## Graduate Committee

Each graduate student will be assigned a Graduate Committee comprised of the Major Professor and two additional music faculty members who hold some form of graduate faculty membership, and with the consent of the Coordinator of Graduate Studies in Music. This committee is formed during the student's first semester of graduate study through a formal process, and it provides general oversight of the student's program. This committee's membership should remain constant throughout the student's course of study. They will approve the Written Project, serve as members of a Graduate Recital Committee, and write and grade Comprehensive Examination questions. Per Graduate School guidelines, the chair of this committee must hold member status on the Graduate Faculty or possess unique qualifications to serve as such with the consent of the Graduate Dean.

## Music Education (542A):

- A. **MUED 5900** (3 hours). (required of all Master of Music students)
- B. **Foundation Courses in Music Education** (12 hours). MUED 5010, 5020, and 6 hours from the following: MUED 5000, 5100, 5200, 5270, 5460, 5480, 5520, 5040.
- C. **Supportive Courses in Music** (6 hours). Music History: 3 hours from the following: MUS 5300, 5310, 5320, 5330, 5360, 5340, 5350, 5370. Music Theory: 3 hours from the following: MUS 5020, 5040, 5060, 5530, MUED 5030.
- D. **Applied Music Study** (2-4 hours). To be chosen from MUS 5700, 5710. Not more than 4 hours of applied study can be counted toward the music education concentration.
- E. **Electives in Music, Music Education, and Education** (4-6 hours). To be chosen from the following: MUED 5110, 5120, 5230, 5490, 5550, 5600, MUS 5230, 5150, 5390, 5400, 5430, 5440, 5120, or approved graduate courses from the College of Education.
- F. **Final Project** (3 hours). Choose one of these research options:
  1. Thesis: MUED 5980.
  2. Two papers-in-lieu of thesis: MUED 5400. This option allows a student to pick subjects that are of particular interest. Papers must be related to a course and must be an expansion upon any normal assignments for that course. MUED 5400 may be used as a course for writing a paper in lieu of thesis.
  3. Conducting lecture recital with supporting research document: MUS 5620, MUED 5620. The supporting research document must be approved by the committee no later than the lecture recital hearing.

## Comprehensive Examination

All students will take a comprehensive written examination based on courses taken. There are two possible outcomes: (1) Pass (2) Fail. In the case of a Fail, the student will take an oral examination, which counts as the second attempt. The oral examination is graded as Pass or Fail. In the case of a Fail the student's committee may suggest the student take some additional courses for remediation and then take the written comprehensive examination for the final time. In case the final outcome is Fail, the student will be dismissed from the program. A student may not attempt the comprehensive examination more than three times.

## Special Requirements for Degree

1. MUS 5280 (Ensemble Performance): Students may apply up to two hours (i.e., two semesters) of MUS 5280 toward the degree.
2. MUS 5010, 5050 (Practical Review and other remedial courses) may be required without degree credit on the basis of diagnostic examinations.

## Performance (542B):

**Admission Requirements** for Master of Music with a concentration in Performance:

- Bachelor's degree in music performance preferred, bachelor's degree in music minimum, and earned from a recognized accredited college or university with a minimum cumulative grade point average of 2.75;
- Graduate Record Examination (GRE) scores with a minimum of 282 on verbal plus quantitative sections (preferred), or complete an Application Portfolio;
- Two written letters of recommendation from music professionals that attest to the applicant's preparedness for graduate study in music performance; and
- Demonstrate ability and accomplishment in the proposed major field and in applied music through a live audition before at least two graduate music faculty members. The demonstrated performing proficiency must be equal to that required in the Bachelor of Music in Performance at NSU. For voice applicants, any deficiency in language/diction skills must be satisfied prior to comprehensive exam/final project.

## Application Portfolio

If GRE scores are not submitted, an Application Portfolio must be completed for full consideration for admission. Priority deadlines: April 1 for Fall admission, November 1 for Spring admission.

1. Resume/*curriculum vita* (cv);
2. Letter of Intent (500 words minimum) that discusses the applicant's goals and reasons for pursuing the Master of Music Degree with a concentration in Music Performance, and how their graduate study at NSU fits into their plan;
3. Writing sample of not more than 15 pages demonstrating facility in analysis, argument, research, and coherence; and
4. Repertoire List.

## Audition

A live "in-person" audition is preferred, though a recording is permitted (video recording preferred) if a live audition would pose an undue hardship. At least two applied faculty members must be present at the audition. All applicants must prepare an audition recital that demonstrates, through advanced repertoire, their highest technical and musical achievements. Choice is up to applicant, within guidelines.

If a recording is used, a live audition would be required in the first semester of enrollment to validate. The recording must be from a live performance and unedited. A recording may only permit provisional admission within the Music Area; it will not prevent Regular Admission status required by the Graduate School to be assigned a graduate assistantship.

## Diagnostic Examination

All incoming students should prepare for and review their undergraduate music knowledge in theory, aural skills, history and literature. This test is designed to ascertain levels of competency. A Deficiency Plan will be developed for those who score below minimum standards. MUS 5010, 5050 (Practical Review and other remedial courses) do not satisfy minimum degree requirements. The Deficiency Plan must be completed prior to 1) enrollment in any advanced course in deficient areas, 2) the Comprehensive Exam, and 3) the Final Project.

## Degree Tracks/Courses

Students may pursue a Master of Music with a concentration in Performance in the following areas: instrumental (woodwind, brass, percussion, strings), piano, organ and voice.



The Master of Music with a concentration in Performance is a residential degree, typically completed over two academic years (fall, spring). [2 consecutive semesters (fall & spring, spring & fall) of residency with full-time status (minimum 9 graduate hours per semester).

#### **Performance (542B):**

- A. **Core** (12 hours). MUED 5900 (required of all Master of Music students); MUS 5150 Pedagogy; Music History: 3 hours from the following: MUS 5300, 5310, 5320, 5330, 5360, 5340, 5350, 5370; Music Theory: 3 hours from the following: MUS 5020, 5040, 5060, 5530, MUED 5030.
- B. **Performance Studies** (17 hours). MUS 5710\* (9 hours), 5280 (2 hours), 5390, 5970, 5720.  
\*3 semesters @ 3 hours each. Continuous enrollment is expected until the graduate recital project is completed. Must enroll in Applied Music during the semester of the Graduate Recital.
- C. **Electives** (3 hours). Elective(s) will be selected from other graduate courses with MUS or MUED designation.

#### **Other Requirements**

- 1. **Ensembles**. MUS 5280 (Ensemble Performance): One large ensemble in each of two semesters is required. Piano and organ majors will enroll in MUS 5280 to satisfy accompanying requirements.
- 2. **Applied Juries**. Must complete a successful applied jury exam in each semester (grade of A or B).

#### **Graduate Committee**

Each graduate student will be assigned a Graduate Committee comprised of the Major Professor and two additional music faculty members who hold some form of graduate faculty membership, and with the consent of the Coordinator of Graduate Studies in Music. This committee is formed during the student's first semester of graduate study through a formal process, and it provides general oversight of the student's program. This committee's membership should remain constant throughout the student's course of study. They will approve the Written Project, serve as members of a Graduate Recital Committee, and write and grade Comprehensive Examination questions. Per Graduate School guidelines, the chair of this committee must hold member status on the Graduate Faculty or possess unique qualifications to serve as such with the consent of the Graduate Dean.

#### **Written Project**

The Graduate Recital will be supplemented with a written descriptive or analytical paper that will be approved by the student's Graduate Committee and filed in the Graduate School office. Enrollment in MUS 5970 (1 hour) Performance Document is required. This paper must be completed no later than the hearing for the Graduate Recital. MUS 5720 Graduate Recital is a co-requisite for this course.

#### **Graduate Recital**

Each student must present a public performance, which serves as the thesis in the Master of Music with a concentration in Performance degree. The student's recital program must be approved by the Graduate Committee and filed in the Graduate School office by the end of semester prior to registration for MUS 5720 (2 hours) Graduate Recital. Degree candidacy must be attained prior to enrollment in the course and presentation of the recital. The program will be developed with the student's studio instructor and must include a minimum of 45 minutes of music in which the student is the soloist. This time does not include time in between movements or works, setup time, or intermissions—only the sum of the total performance time. Total performance time for the recital will be at least 60 minutes in length.

#### **Comprehensive Examination**

All students will take a comprehensive written examination based on courses taken. There are two possible outcomes: (1) Pass (2) Fail. In the case of a Fail, the student will take an oral examination, which counts as the second attempt. The oral examination is graded as Pass or Fail. In the case of a Fail the student's committee may suggest the student take some additional courses for remediation and then take the written comprehensive examination for the final time. In case the final outcome is Fail, the student will be dismissed from the program. A student may not attempt the comprehensive examination more than three times.

# DEPARTMENT OF NEW MEDIA, JOURNALISM, AND COMMUNICATION ARTS

239 Kyser Hall  
318-357-5360  
newmedia@nsula.edu

**Department Head:** Jie Zhang, *Professor*

*Erbon and Marie Wise Endowed Chair Communication:* James Mustian  
*Professors Emeritus:* Paula F. Furr, Thomas N. Whitehead  
*Assistant Professors:* Taylor, Zering  
*Instructor:* Eaton

## Degree Program Available Through the Department of New Media, Journalism, and Communication Arts

Bachelor of Arts program in: Communication, with concentrations in journalism, broadcast, and digital media production; sports media; strategic communication

## Undergraduate Certificate Offered Through the Department of New Media, Journalism, and Communication Arts

### Strategic Communication Certificate

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above Undergraduate Certificate (UC). Refer to the Department of New Media, Journalism, and Communication Arts web page at <https://www.nsula.edu/newmedia/> for detailed information on the Strategic Communication Undergraduate Certificate program.

## Communication

### Communication Major Requirements: (48 semester hours)

Students seeking a major in Communication must complete 21 semester hours in the Communication Core and 27 semester hours in one of three available concentrations, within the 120 semester hour Communication curriculum. Communication core courses include: Communication 1040, 2020, 2040, 2510, 3260, 4700, and 4910.

All students enrolled in the Communication major must select a minor. Students who complete a second major outside of Communication have satisfied the minor requirement. Consult the University Catalog for specific course requirements for each minor or second major. A “C” or better is required for all Communication classes to complete requirements for graduation.

### Available Concentrations:

**Journalism, Broadcast, and Digital Media Production (225H):** Communication 2440; 6 hours selected from Communication 2400, 2530, 2610; Communication 3430 or 3520; Communication 4230; 12 hours of Communication electives.

**Sports Media (225I):** Communication 2440, 2110; Communication 3510 or 3520; Communication 3500 or 3650; Communication 4500 or 4230 or 4260; 12 hours of Communication electives.

**Strategic Communication (225E):** Communication 2500, 2360, 3510, 3600, 4310 or 4660; and twelve (12) semester hours of Communication electives.

### Communication Minor Requirements: (24 semester hours)

Students seeking a minor in Communication must complete Communication 1040, 2020, 2040, 2500, 2510, three (3) hours of any Communication elective, and six (6) additional hours in Communication courses as the 3000-4000 level. A “C” or better is required for all Communication classes in order to complete minor requirements.

### Curriculum for Communication (225)

| FIRST YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| Communication 1010, 1040 .....      | 6         |
| Concentration .....                 | 6         |
| Electives <sup>2</sup> .....        | 2         |
| English 1010, 1020 .....            | 6         |
| Mathematics <sup>1</sup> .....      | 6         |
| Natural Sciences <sup>1</sup> ..... | 3         |
| University Studies 1000 .....       | 1         |
|                                     | <u>30</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Communication 2020, 2510 .....                | 6         |
| Concentration .....                           | 3         |
| Electives <sup>2</sup> .....                  | 3         |
| English 2110 .....                            | 3         |
| Humanities <sup>1</sup> .....                 | 3         |
| Natural Sciences <sup>1</sup> .....           | 6         |
| Social/behavioral sciences <sup>1</sup> ..... | 6         |
|                                               | <u>30</u> |

| THIRD YEAR                     | SEM. HRS. |
|--------------------------------|-----------|
| Communication 2040, 3260 ..... | 6         |
| Concentration .....            | 9         |
| Electives <sup>2</sup> .....   | 15        |
|                                | <u>30</u> |

| FOURTH YEAR                    | SEM. HRS. |
|--------------------------------|-----------|
| Communication 4700, 4910 ..... | 6         |
| Concentration .....            | 9         |
| Electives <sup>2</sup> .....   | 12        |
| Fine Arts 1040 .....           | 3         |
|                                | <u>30</u> |

Total Semester Hours for Degree ..... 120

#### Footnotes:

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> Electives are to be chosen to complete a minor and to further interests in communication. Student may apply toward the degree a maximum of 27 semester hours in courses offered in the School of Business.

# DEPARTMENT OF THEATRE AND DANCE

106 Old Fine Arts/110 Creative & Performing Arts Center

318-357-4483

theatreanddance@nsula.edu

**Department Head:** Brett Alan Garfinkel, *Professor*

*Professors Emeritus:* Jack Wann, Vicki Parrish

*Professors:* Burrell, Parr, Riehl, Wyatt

*Associate Professors:* Bartley, K. Richoux, R. Richoux

*Assistant Professors:* Artis, Ho, Killion, Sawyer

## Degree Programs Available Through the Department of Theatre and Dance

Bachelor of Fine Arts program in: Dance; Musical Theatre, Production and Design

Bachelor of Science program in: Theatre with concentrations in: musical theatre performance, performance/directing

The Bachelor of Fine Arts programs in Musical Theatre and Production and Design, and the Bachelor of Science in Theatre are fully accredited by the National Association of Schools of Theatre (NAST), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190, telephone number (703) 437-0700.

### Dance

**Dance Major Requirements:** (80 semester hours) Students seeking a major in Dance must complete 80 semester hours, within the 120 semester hour Dance Curriculum, which include a 32 semester hour dance technique and 48 semester hour dance core and electives. A “C” or better average is required for all dance classes to complete requirements for graduation. Foreign language and Minor area of study are not required for this degree.

**Dance Technique:** (32 semester hours) sixteen semester hours from: Dance 1020, 2020, 3020, 4020 and sixteen semester hours from: Dance 1030, 2030, 3030, 4030.

**Dance Core:** (40 semester hours) Dance 1000, 1660, 1710, 1720, 2050, 2590, 3560, 3570, 3590, 3800, 4100, 4400, one semester hour from: Dance 1800 or 1900, two semester hours from: Dance 3180 or 3280, three semester hours from: Theatre 3340 or 3350, one semester hour from: Dance 2800 or 2900, two semester hours from: Dance 4180 or 4280.

**Dance Electives:** (8 semester hours) Eight semester hours from the following: Dance 1040, 1190, 1400, 1600, 2040, 2060, 2190, 2200, 2410, 2440, 2450, 2460, 2760, 3040, 3070, 3190, 3660, 3750, 3760, 3770, 3900, 4040, 4190, 4500, 4590, 4660, 4700, 4800, 4810, or 4900.

**Dance Minor Requirements:** (26 semester hours) Dance 1000, 1020, 1030, 1710, 2020, 2590, 3560, two semester hours from the following: Dance 1040, 1190, three semester hours from the following: Theatre 3340, 3350, two semester hours from the following: Dance 2030, 2040, 2190 and four semester hours from the following: 3020, 3030, 3040, 3190, 4040, 4190.

### Curriculum for Dance (244)

| FIRST YEAR                                       | SEM. HRS. |
|--------------------------------------------------|-----------|
| Dance 1000, 1660, 1710, 1720, 1800 or 1900 ..... | 10        |
| Dance Technique <sup>2</sup> .....               | 8         |
| English 1010, 1020 .....                         | 6         |

|                                |           |
|--------------------------------|-----------|
| Fine Arts 1040.....            | 3         |
| Humanities <sup>1</sup> .....  | 3         |
| Mathematics <sup>1</sup> ..... | 6         |
| University Studies 1000 .....  | 1         |
|                                | <u>37</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Dance 2590, 2800 or 2900, 3180 or 3280.....   | 5         |
| Dance Technique <sup>2</sup> .....            | 8         |
| Humanities <sup>1</sup> .....                 | 6         |
| Natural Sciences <sup>1</sup> .....           | 6         |
| Social/behavioral Sciences <sup>1</sup> ..... | 6         |
| Theatre 3340 or 3350 .....                    | 3         |
|                                               | <u>34</u> |

| THIRD YEAR                                       | SEM. HRS. |
|--------------------------------------------------|-----------|
| Dance 2050, 3560, 3570, 3590, 4180 or 4280 ..... | 14        |
| Dance Technique <sup>2</sup> .....               | 8         |
| Natural Sciences <sup>1</sup> .....              | 3         |
|                                                  | <u>25</u> |

| FOURTH YEAR                        | SEM. HRS. |
|------------------------------------|-----------|
| Dance 3800, 4100, 4400.....        | 8         |
| Dance Technique <sup>2</sup> ..... | 8         |
| Dance Electives.....               | 8         |
|                                    | <u>24</u> |

Total Semester Hours for Degree..... 120

#### Footnotes:

- <sup>1</sup> Refer to University core requirements.
- <sup>2</sup> Dance Technique refers to four credit hours in Ballet Technique and four credit hours in Modern Technique required every year.

### Musical Theatre

**Musical Theatre Major Requirements:** (80 semester hours) Students seeking a major in Musical Theatre must complete 80 semester hours, within the 120 semester hour Musical Theatre Curriculum, which include 13 semester hour music core, 54 semester hour theatre core, 8 semester hour dance core and 5 semester hour theatre electives. A “C” or better average is required for all musical theatre classes to complete requirements for graduation. Foreign language and Minor area of study are not required for this degree.

**Music Core:** (13 semester hours) three semester hours from MUS 1010, four semester hours from MUS 1700, four semester hours MUS 1710 and two semester hours from MUS 1910.

**Theatre Core:** (54 semester hours) Theatre 1001, 2030, 2140, 2300, 2310, 2320, 2340, 2350, 2360, 3320, 3350, 3380, 4230, 4250, 4290, 4330, 4350, 4480.

**Dance Core:** (8 semester hours) Eight semester hours from the following: 1020, 1030, 1040, 1190, 2020, 2030, 2040, 2190, 3020, 3030, 3040, 3190, 4020, 4040, 4190.

**Theatre and Dance Electives:** (5 semester hours) five semester hours from any theatre and dance course.

### Curriculum for Musical Theatre (247)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| English 1010.....                                  | 3         |
| Fine Arts 1040.....                                | 3         |
| Humanities <sup>1</sup> .....                      | 3         |
| MUS 1010, 1910.....                                | 5         |
| THEA 1001, 2030, 2300, 2320, 2340, 3350.....       | 14        |
| University Studies 1000.....                       | 1         |
|                                                    | <u>29</u> |
| SECOND YEAR                                        | SEM. HRS. |
| Dance Technique <sup>2</sup> .....                 | 2         |
| English 1020, 2110.....                            | 6         |
| Mathematics <sup>1</sup> .....                     | 3         |
| MUS 1700.....                                      | 2         |
| Natural Sciences <sup>1</sup> .....                | 3         |
| THEA 2030, 2140, 2310, 2350, 2360, 3320, 3380..... | 19        |
|                                                    | <u>35</u> |
| THIRD YEAR                                         | SEM. HRS. |
| Dance Technique <sup>2</sup> .....                 | 4         |
| Mathematics <sup>1</sup> .....                     | 3         |
| MUS 1700.....                                      | 2         |
| Natural Sciences <sup>1</sup> .....                | 6         |
| Social/Behavioral Science <sup>1</sup> .....       | 3         |
| THEA 2030, 4230, 4290, 4330, 4480.....             | 19        |
|                                                    | <u>32</u> |
| FOURTH YEAR                                        | SEM. HRS. |
| Dance Technique.....                               | 2         |
| Humanities <sup>1</sup> .....                      | 3         |
| MUS 1710.....                                      | 4         |
| Social/Behavioral Science <sup>1</sup> .....       | 3         |
| THEA 2030, 4250, 4350.....                         | 7         |
| Theatre and Dance Electives.....                   | 5         |
|                                                    | <u>24</u> |

Total Semester Hours for Degree..... 120

#### Footnotes:

<sup>1</sup> Refer to University Core Requirements.

<sup>2</sup> Dance Technique refers to any dance class listed under Dance Core requirements.

### Production and Design

**Production and Design Major Requirements:** (77 semester hours) Students seeking a major in Production and Design must complete 77 semester hours, within the 120 semester hour Production and Design curriculum, which include a 48 semester hour production and design core, 14 semester hour Production and Design electives and 15 semester hour theatre and dance electives. A "C" or better average is required in all production and design classes to complete requirements for graduation. Foreign language and minor of study are not required for this degree.

**Production and Design Core:** (48 semester hours) Theatre 2030 (6 hours), 2140, 2300, 2310, 2320, 2360, 3380, 4330, 4480, Theatre 2330 or 3340, Theatre 2370 or 3360, Theatre 4540, Theatre 3330, Theatre 4320 or 4050, Theatre 4610 or 4450 or 3120.

**Production and Design Electives:** (14 semester hours) Theatre 3140, 3240, 3250, 3260, 3300, 3350, 3390, 4270, 4310, 4420, 4430, 4550, 4560, 4570, 4580, 4590, 4610, 4600.

**Theatre and Dance Elective:** (15 semester hours) Theatre 2330, 2340, 2350, 2370, 2380, 3030, 3120, 3140, 3220, 3240, 3250, 3260, 3300, 3320, 3340, 3350, 3360, 3390, 4030, 4040, 4050, 4220, 4230, 4240, 4250, 4260, 4270, 4300, 4310, 4320, 4340, 4350, 4360, 4370, 4380, 4420, 4430, 4450, 4480, 4520, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610; Dance 1020, 1030, 1040, 1190, 1600, 1660, 2020, 2030, 2040, 2190, 2200, 3060, 3070, 3180, 3280.

### Curriculum for Production and Design (246)

| FIRST YEAR                                                                | SEM. HRS. |
|---------------------------------------------------------------------------|-----------|
| Electives.....                                                            | 3         |
| English 1010, 1020.....                                                   | 6         |
| Fine Arts 1040 <sup>1</sup> .....                                         | 3         |
| Mathematics <sup>1</sup> .....                                            | 6         |
| Theatre 2140, 2300, 2310, 2320, 2030 <sup>2</sup> .....                   | 13        |
| University Studies 1000.....                                              | 1         |
|                                                                           | <u>32</u> |
| SECOND YEAR                                                               | SEM. HRS. |
| Humanities <sup>1</sup> .....                                             | 6         |
| Natural Sciences <sup>1</sup> .....                                       | 3         |
| Production and Design electives.....                                      | 3         |
| Social/behavioral Sciences <sup>1</sup> .....                             | 3         |
| Theatre 2330 or 3340, 2030 <sup>2</sup> , 2360, 3330, 3380.....           | 14        |
| Theatre and Dance Electives.....                                          | 3         |
|                                                                           | <u>32</u> |
| THIRD YEAR                                                                | SEM. HRS. |
| Natural Sciences <sup>1</sup> .....                                       | 3         |
| Production and Design Electives.....                                      | 9         |
| Social/behavioral Sciences <sup>1</sup> .....                             | 3         |
| Theatre 2030 <sup>2</sup> , 2370 or 3360, 4330, 4610 or 4450 or 3120..... | 11        |
| Theatre and Dance Electives.....                                          | 6         |
|                                                                           | <u>32</u> |
| FOURTH YEAR                                                               | SEM. HRS. |
| Humanities <sup>1</sup> .....                                             | 3         |
| Natural Sciences <sup>1</sup> .....                                       | 3         |
| Production and Design Electives.....                                      | 3         |
| Theatre 2030 <sup>2</sup> , 4320 or 4050, 4480 4540.....                  | 10        |
| Theatre and Dance Electives.....                                          | 5         |
|                                                                           | <u>24</u> |
| Total Semester Hours for Degree.....                                      | 120       |

#### Footnotes:

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> THEA 2030 is required each semester starting the spring semester first year through fall semester fourth year.

### Theatre

**Theatre Major Requirements:** (61 to 62 semester hours) Students seeking a major in Theatre must complete 61 to 62 semester hours, within the 120 semester hour Theatre curriculum, which include a 36 semester hour theatre core and a 25 semester hour concentration. A "C" or better average is required for all theatre classes to complete requirements for graduation. Foreign language and Minor area of study are not required for this degree.

**Theatre Core:** (36 semester hours) Theatre 2030 (6 hours), 2140, 2300, 2310, 2320, 2360, 3350, 3380, 4330, 4480 and one from the following: Theatre 4260, 4340, 4350, 4370, 4380, or Dance 3560 or 3570.

#### Available Concentration:

**Performance/Directing (245B):** (25 semester hours) Theatre 2340, 2350, 3320, 4220, 4250, Dance 3060 and six semester hours from the following: Theatre 2380, 3120, 3220, 4040, 4240, 4300, 4520, and four semester hours from: Dance 1020, 1040, 1190 or Music 1700, 1710, 3710.

**Theatre Minor Requirements:** (24 semester hours) Theatre 2140, 2300, 2310, and two from the following: Theatre 2360, 3380, 4260, 4330, 4340, 4350, 4370, 4380, 4480 or Dance 3560 or 3570 and nine semester hours of approved electives in Theatre.

### Curriculum for Theatre (245)

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Electives.....                               | 3         |
| English 1010, 1020.....                      | 6         |
| Fine Arts 1040.....                          | 3         |
| Mathematics <sup>1</sup> .....               | 6         |
| University Studies 1000.....                 | 1         |
| Social/behavioral Science <sup>1</sup> ..... | 3         |
| Theatre 2140, 2300, 2320.....                | 9         |
|                                              | <u>31</u> |

| <b>SECOND YEAR</b>                            | <b>SEM. HRS.</b> |
|-----------------------------------------------|------------------|
| Electives.....                                | 6                |
| Humanities <sup>1</sup> .....                 | 6                |
| Social/behavioral Sciences <sup>1</sup> ..... | 3                |
| Theatre 2030 <sup>3</sup> , 2310, 4480 .....  | 8                |
| Theatre Concentration.....                    | 6                |
|                                               | <u>29</u>        |

| <b>THIRD YEAR</b>                                 | <b>SEM. HRS.</b> |
|---------------------------------------------------|------------------|
| Electives.....                                    | 3                |
| Natural Sciences <sup>1</sup> .....               | 6                |
| Theatre 2030 <sup>3</sup> , 2360, 3350, 3380..... | 11               |
| Theatre Concentration.....                        | 9                |
|                                                   | <u>29</u>        |

| <b>FOURTH YEAR</b>                     | <b>SEM. HRS.</b> |
|----------------------------------------|------------------|
| Electives .....                        | 6 or 7           |
| Humanities <sup>1</sup> .....          | 3                |
| Natural Sciences <sup>1</sup> .....    | 3                |
| Theatre 2030 <sup>3</sup> , 4330 ..... | 5                |
| Theatre Concentration.....             | 10 or 11         |
| Theatre History <sup>2</sup> .....     | 3                |
|                                        | <u>31</u>        |

Total Semester Hours for Degree..... 120

**Footnotes:**

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> Choose from Theatre 4260, 4340, 4350, 4370, 4380 or Dance 3560 or 3570.

<sup>3</sup> THEA 2030 is required each semester of the second, third and fourth year.

# SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

221 Fournet Room  
318-357-6514  
nsustem@nsula.edu

**Director:** Christopher Lyles, *Associate Professor*  
**Facilitator of STEM Collaborations:** Anna Dugas, *Associate Professor*

## Mission Statement

The School of Science, Technology, Engineering, and Mathematics (STEM) at Northwestern State University serves to create a collaborative environment for natural and applied science education that inspires students and faculty to engage in an interdisciplinary approach to developing strong analytical skills in interpersonal communication, critical and creative thinking, research, and data literacy as they become lifelong learners who are prepared for an ever-changing, global STEM community.

## Departments Within the School of Science, Technology, Engineering, and Mathematics

Department of Biology and Microbiology  
Department of Engineering Technology  
Division of Mathematics  
Department of Physical Science  
Department of Veterinary Technology

## Degree Programs Available Through the School of Science, Technology, Engineering, and Mathematics (STEM):

Associate Degree program in: Veterinary Technology

Associate of Science program in: Engineering Technology, with concentrations in: advanced manufacturing, electronics, and industrial

Bachelor of Science programs in: Applied Microbiology with concentrations in: environmental and applied microbiology, medical and health profession; Biology with concentrations in: agribusiness, biomedical, clinical laboratory science, forensic investigation, general biology, veterinary technology, wildlife biology and conservation; Electronics Engineering Technology with concentrations in: biomedical and electronics; Industrial Engineering Technology; Mathematics with concentrations in: actuarial mathematics, applied mathematics, computer science, healthcare informatics, and sport analytics; Physical Science with a concentration in: biochemistry, chemistry, forensic laboratory science, and physics

## Pre-professional Programs:

Pre-Cardiopulmonary Science; Pre-Engineering, Pre-Medicine; Pre-Dentistry; Pre-Occupational Therapy; Pre-Optometry; Pre-Pharmacy; Pre-Physical Therapy; Pre-Physician Assistant; Pre-Veterinary Medicine.

## Post Baccalaureate Certificate Programs:

Project Management  
Quality Control

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above Post Baccalaureate Certificates (PBCs). Refer to the Engineering Technology web page at <https://engrtech.nsula.edu> for detailed information on the Project Management and Quality Control certification programs.

## Accreditation

The baccalaureate degree in Biology, with a concentration in Veterinary Technology, and the associate degree in Veterinary Technology are accredited by the American Veterinary Medical Association, 1931 North Meacham Road, Suite 100, Schaumburg, IL, 60173.

The baccalaureate programs in Electronic Engineering Technology and Industrial Engineering Technology are accredited by ABET Engineering Technology Accreditation commission, <http://www.abet.org>.

# DEPARTMENT OF BIOLOGY AND MICROBIOLOGY

112 Bienvenu Hall

318-357-5323

bio\_sci@nsula.edu

**Department Head:** Jerry Brunson, *Associate Professor*

*Professors Emeritus:* Jonathan Akin, H. Wayne Hyde, Dick T. Stalling

*Professors:* Goleman, Lemoine, Sticker

*Associate Professors:* Culver, Darvish, Doffitt, Lyles, Ma, Marshall, Page

*Assistant Professors:* Byrd, Cox, Joubert, Mangrum, O'Neal, Straub, Teshera

## Degree Programs Available Through the Department of Biology and Microbiology:

Bachelor of Science programs in: Applied Microbiology with concentrations in: environmental and applied microbiology, medical and health profession; Biology with concentrations in: agribusiness, biomedical, clinical laboratory science, forensic investigation, general biology, veterinary technology, wildlife biology and conservation

### Pre-professional Programs:

Pre-Cardiopulmonary Science; Pre-Medicine; Pre-Dentistry; Pre-Occupational Therapy; Pre-Optometry; Pre-Pharmacy; Pre-Physical Therapy; Pre-Physician Assistant; Pre- Veterinary Medicine

## Applied Microbiology

The NSU Department of Biology and Microbiology offers a wide assortment of microbiology courses that incorporate regulatory, ethical and solution based concepts in all courses. The scope of microbiology is vast and the program offers a core of applied microbiology with concentrations in both environmental and medical/health related areas. Each concentration allows students with different interests to obtain the proper training necessary to pursue their specific career interests.

**Applied Microbiology Major Requirements:** (70 semester hours) Students seeking a major in Applied Microbiology must complete the following:

**Applied Microbiology Core:** 33 semester hours of BIOL 1010-1011, 1020-1021, 2060-2061, 2090-2091, 4930, 4990, 4995; CHEM 1030-1031, and 1040-1041.

**Concentration-dependent courses:** 23 hours in one of two available concentrations (see specific concentration for requirements).

**Applied Microbiology Electives:** 14 semester hours from BIOL 2050-2051, 2190, 2200-2201, 3010-3011, 3090-3091, 3110, 3130, 3250, 3290, 4120-4121, 4190-4191, 4210-4211, 4260-4261, 4270, 4320, and 4940.

### Available Concentrations:

**Environmental and Applied Microbiology (619C):** choose 23 semester hours from: BIOL 2030-2031, 2100-2101, 2120-2121, 2150-2151, 2180, 2290 2300, 2500, 2990, 3080, 3040-3041, 3060-3061, 3220-3221, 3340-3341, 3830-3831, 4040-4041, 4160-4161, 4170-4171, 4400-4401, 4500, 4960; CHEM 2110-2111, 2120-2121, 4040-4041; RSST 2010, 3010, 4010.

**Medical and Health Profession (619B):** choose 23 semester hours from: BIOL 1060, 2080-2081, 2500, 3020, 3060-3061, 3170-3171, 3250-3251, 3270-3271, 3310-3311, 3320-3321, 3830-3831, 4060-4061, 4070, 4130, 4160-4161, 4220-4221, 4230, 4280, 4300-4301, 4320, 4340; CHEM 2110-2111, 2120-2121, 4040-4041, 4050; NUTR 1030.

## Curriculum for Applied Microbiology (619)<sup>1</sup>

| FIRST YEAR                                                            | SEM. HRS. |
|-----------------------------------------------------------------------|-----------|
| Biology <sup>1</sup> 1010-1011, 1020-1021, 2060-2061, 2090-2091 ..... | 16        |
| English 1010, 1020 .....                                              | 6         |
| Fine Arts 1040 .....                                                  | 3         |
| Mathematics 1020.....                                                 | 3         |
| University Studies 1000 .....                                         | 1         |
|                                                                       | <u>29</u> |

| SECOND YEAR                                            | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Chemistry <sup>1</sup> 1030-1031, 1040-1041 .....      | 8         |
| Communication 1010 or 2500 .....                       | 3         |
| Concentration-dependent courses <sup>1,2,5</sup> ..... | 8         |
| English 2110 .....                                     | 3         |
| History 1010, 1020, 2010, or 2020 .....                | 3         |
| Mathematics 1060 or 1090, 2010.....                    | 6         |
|                                                        | <u>31</u> |

| THIRD YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Academic Electives <sup>1,6</sup> .....                | 8         |
| Applied Microbiology Electives <sup>1,4</sup> .....    | 7         |
| Behavioral Science <sup>3</sup> .....                  | 3         |
| Concentration-dependent courses <sup>1,2,5</sup> ..... | 8         |
| Social Science <sup>3</sup> .....                      | 3         |
|                                                        | <u>29</u> |

| FOURTH YEAR                                            | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Applied Microbiology Electives <sup>1,4</sup> .....    | 7         |
| Biology 4930, 4990, 4995 <sup>1,2</sup> .....          | 9         |
| Concentration-dependent courses <sup>1,2,5</sup> ..... | 7         |
| Academic Electives <sup>1,6</sup> .....                | 8         |
|                                                        | <u>31</u> |

Total Semester Hours for Degree:..... 120

### Footnotes:

- <sup>1</sup> This curriculum is sufficient to earn a B.S. degree in applied microbiology. Refer to Pre-Professional programs for additional requirements.
- <sup>2</sup> Student majoring in Applied Microbiology must earn a grade of C or better in all Applied Microbiology core and concentration-dependent courses.
- <sup>3</sup> Must meet University core requirements.
- <sup>4</sup> Refer to the list of Applied Microbiology electives.
- <sup>5</sup> Refer to concentration requirements.
- <sup>6</sup> Academic elective courses should be taken to complete a total of 120 semester hours for the degree. Any academic course is acceptable; but no more than six semester hours may be taken at the 1000-level.

## BIOLOGY

The NSU Department of Biology and Microbiology recognizes the recent explosion of information in the life sciences and the wide variety of current occupations that are dependent on this wealth of information. In response, the Department offers a choice of seven concentrations (Agribusiness, Biomedical, Clinical Laboratory Science, Forensic Investigation, General Biology, Wildlife Biology and Conservation, and Veterinary Technology<sup>†,††</sup>) in conjunction with a common biology core. Each concentration allows students with different interests to obtain the proper training necessary to pursue their specific career objectives.

**Biology Major Requirements:** (56 semester hours for 618 M, Q, T, W, X; 71 semester hours 618U and 69 semester hours for 618V). Students seeking a major in Biology must complete the following:

- **Biology core:** 14 semester hours of Biology 1010-1011, 1020-1021, and either 4970 and 4995, 4990 and 4995, or VTEC 4900.
- **Concentration-dependent courses:** 32-57 semester hours in one of six available concentrations (see specific concentration for semester hour requirement).
- **Biology electives:** 10 semester hours for 618 M, X, and Q, and 9 semester hours for 618T. 618U and 618V students are not required to take biology electives. These courses can be any biology course or Nutrition 1030.
- **Science electives:** 8 semester hours for 618W. These courses can be any BIOL, CHEM, MATH, PHYS, or VTEC course.

**Available Concentrations:** (618M, 618X, and 618Q, 32 semester hours; 618T, 618W, 34 semester hours; 618U, 57 semester hours and 618V, 55 semester hours)

**Agribusiness (618U):** Select 15 semester hours from BIOL 1050, 2040, 2290, 3080, 3030, 3050, 3220-3221, 3340-3341, 3630, 3830-3831, 4040-4041, 4150, AGMT 2000, Select 15 semester hours from BIOL 2100-2101, 2120-2121, 2140-2141, 2150-2151, 2180, 2990, 4170-4171, 4400. Take 27 semester hours from ACCT 1040; BUAD 2120, 2200, 3250; CIS 1090; MGT 3220, 3580; MKTG 3230; and one advanced business elective.

**Biomedical (618M):** Select from BIOL 1060, 2060-2061, 2080-2081, 2090-2091, 2500, 3080, 3020, 3060-3061, 3130, 3170-3171, 3210-3211, 3250, 3270-3271, 3280, 3290, 3310-3311, 3320-3321, 4050, 4060-4061, 4070, 4120-4121, 4130, 4160-4161, 4190-4191, 4220-4221, 4230, 4240, 4260-4261, 4270, 4280, 4300-4301, 4310-4311, 4320, 4340, 4410, 4930, CHEM 4040-4041 or 4050.

**Clinical Laboratory Science (618T):** This concentration requires acceptance into an affiliated training program approved by the Council on Allied Health Education and Accreditation. Enrollment in this concentration does not guarantee acceptance into the training program. You must take BIOL 2060-2061, 4190-4191 or 4121, 4730, 4740, 4750, 4760, 4770, 4780, 4790 and CHEM 3010-3011 or CHEM 4040-4041.

**Forensic Investigation (618Q):** Select 16 semester hours from BIOL 2060-2061, 2070-2071, 2500, 3080, 3060-3061, 3270-3271, 3310-3311, 3320-3321, 3500-3501, 4300-4301, CHEM 2110-2111, 2120-2121, 3010-3011, 4040-4041, 4050, or 4160-4161. Select 16 semester hours from CJ 1100, 2300, 2600, 3360, 4000, 4450, 4460 and 4470.

**General Biology (618W):** 3 semester hours of any BIOL course at 1000 level or higher; 11 semester hours of any BIOL course at 2000 level or higher; 10 semester hours of any BIOL course at 3000 level or higher; 10 semester hours of any BIOL course at 4000 level.

**Veterinary Technology (618V):** Take BIOL 2060-2061, VTEC 1010-1011, 1020, 1030-1031, 2060, 2090-2091, 2600, 2900, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090, and 4200<sup>†††</sup>.

<sup>††</sup> Students entering the Veterinary Technology concentration must meet the essential skills and technical standards to perform functions required as an AVMA accredited program and the profession. A student with concerns about meeting these standards should visit with the Program Director to review the published guidelines for skills/standards.

<sup>†††</sup> This option must be selected for all 618V students.

<sup>††††</sup> May substitute with general elective course if provide proof of passing score on the Veterinary Technician National Examination (VTNE).

**Wildlife Biology and Conservation (618X):** Select from BIOL 1050, 2030-2031, 2050-2051, 2080-2081, 2100-2101, 2120-2121, 2140-2141, 2150-2151, 2180, 2290, 2500, 2990 3080, 3010-3011, 3040-3041, 3060-3061, 3070, 3140-3141, 3210-3211, 3220-3221, 3280, 3340-3341, 3630, 4040-4041, 4170-4171, 4180-4181, 4220-4221, 4240, 4400-4401, 4410, 4500, or 4960; RSST 2010, 3010, 4010.

**Biology Minor Requirements:** (21 semester hours) BIOL 1010-1011, 1020-1021; 7 semester hours of any BIOL course at the 2000 level or above; 6 BIOL hours at the 4000 level.

**Microbiology Minor Requirements:** (22 semester hours) BIOL 2060-2061, 2090-2091; 14 semester hours selected from BIOL 2190, 3210-3211, 3290, 3630, 4120-4121, 4190-4191, 4210-4211, 4270, 4930, and 4990.

**Wildlife Management Minor Requirements:** (22 semester hours) BIOL 2120-2121 or GEOG 2010; BIOL 2140-2141, 2290, 3220-3221, 4900, 4960; and three semester hours selected from BIOL 2180, 2150-2151; three semester hours selected from BIOL 3040-3041, 3080, 3340, 3341, 4040-4041, 4170-4171, or 4180-4181.

## Curriculum for Biology (618)<sup>1</sup>

| FIRST YEAR                                                                         | SEM. HRS. |
|------------------------------------------------------------------------------------|-----------|
| Biology <sup>2</sup> 1010-1011, 1020-1021 .....                                    | 8         |
| English 1010, 1020 .....                                                           | 6         |
| Humanities <sup>3</sup> .....                                                      | 3         |
| Mathematics <sup>4</sup> .....                                                     | 6         |
| University Studies 1000 .....                                                      | 1         |
| Social/behavioral Sciences <sup>3</sup> .....                                      | 3         |
|                                                                                    | <u>27</u> |
| SECOND YEAR                                                                        | SEM. HRS. |
| Chemistry 1030-1031, 1040-1041 .....                                               | 8         |
| Concentration-dependent courses <sup>2,5</sup> .....                               | 12        |
| Humanities <sup>3</sup> .....                                                      | 3         |
| Mathematics <sup>4</sup> .....                                                     | 3         |
| Social/behavioral Sciences <sup>3</sup> .....                                      | 3         |
|                                                                                    | <u>29</u> |
| THIRD YEAR                                                                         | SEM. HRS. |
| Biology or Science <sup>9</sup> electives.....                                     | 5-7       |
| Concentration-dependent courses <sup>2,5</sup> .....                               | 12-21     |
| Fine Arts 1040 .....                                                               | 3         |
| Humanities <sup>3</sup> .....                                                      | 3         |
| General Electives <sup>6,7</sup> .....                                             | 0-7       |
|                                                                                    | <u>32</u> |
| FOURTH YEAR                                                                        | SEM. HRS. |
| Biology <sup>2</sup> 4970 and 4995, 4990 and 4995, or VTEC 4900 <sup>8</sup> ..... | 6         |
| Biology or Science <sup>9</sup> electives.....                                     | 3         |
| Concentration-dependent courses <sup>2,5</sup> .....                               | 8-24      |
| General Electives <sup>6,7</sup> .....                                             | 0-15      |
|                                                                                    | <u>32</u> |
| Total Semester Hours for Degree: .....                                             | 120       |

### Footnotes:

<sup>1</sup> This curriculum is sufficient to earn a B.S. degree in biology. Refer to Pre-Professional programs for additional requirements.

<sup>2</sup> Students majoring in Biology must earn a grade of "C" or better in all BIOL core and concentration-dependent courses.

<sup>3</sup> Refer to University core requirements.

<sup>4</sup> Selected from one of the following sequences: MATH 1020, 1060, 2010; 1020, 1090, 2010; or 2100, 2110.

<sup>5</sup> Refer to the different biology concentrations requirements.

<sup>6</sup> Any academic course is acceptable; but not more than six semester hours may be taken at the 1000 level.

<sup>7</sup> General elective courses should be taken to complete a total of 120 credit hours for the degree. The number of general elective courses required will vary with the concentration selected.

<sup>8</sup> This option must be selected for all 618V students.

<sup>9</sup> Science elective courses are only for the 618W concentration.

<sup>†</sup> Students entering the Veterinary Technology concentration are strongly advised to receive rabies prophylaxis immunization prior to enrolling in Veterinary Technology courses, as many laboratories involve working directly with live animals. Students electing not to receive immunization must sign a "Statement of Release". A student enrolled in Veterinary Technology courses should meet with the Director of the Veterinary Technology at first knowledge of pregnancy to discuss specific risks and complete a "Statement of Release" if she wishes to remain enrolled.



## Pre-Professional Programs

### Pre-Cardiopulmonary Science

#### Curriculum for Pre-Cardiopulmonary Science (618J)<sup>1</sup>

| FIRST YEAR                                   | SEM. HRS. |
|----------------------------------------------|-----------|
| Biology 1010-1011.....                       | 4         |
| English 1010, 1020 .....                     | 6         |
| Fine Arts 1040.....                          | 3         |
| Humanities <sup>2</sup> .....                | 9         |
| Mathematics 1020, 1090 .....                 | 6         |
|                                              | <u>28</u> |
| SECOND YEAR                                  | SEM. HRS. |
| Biology 2060-2061, 3310-3311, 3320-3321..... | 12        |
| Chemistry 1030-1031 .....                    | 4         |
| Physics 2030-2031 .....                      | 4         |
| Psychology 1010.....                         | 3         |
| Science elective.....                        | 3         |
| Sociology 1010 .....                         | 3         |
|                                              | <u>29</u> |

Footnotes:

- <sup>1</sup> This curriculum meets the current requirements for entrance into the Cardiopulmonary Science program at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.
- <sup>2</sup> Recommended humanities include English Literature (ENGL 2110), Technical Writing (ENGL 3230), Advanced Composition (ENGL 3210), Foreign Language, History, Communication, or Philosophy.

### Pre-Medicine or Pre-Dentistry

#### Curriculum for Pre-Medicine or Pre-Dentistry (618F)<sup>1</sup>

| FIRST YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| Biology 1010-1011, 1020-1021 .....                  | 8         |
| Chemistry 1030-1031, 1040-1041 .....                | 8         |
| English 1010, 1020 <sup>2</sup> .....               | 6         |
| Humanities <sup>3</sup> .....                       | 3         |
| Mathematics 1020, 1090.....                         | 6         |
|                                                     | <u>31</u> |
| SECOND YEAR                                         | SEM. HRS. |
| Biomedical concentration courses <sup>4</sup> ..... | 10        |
| Chemistry 3010-3011, 3020-3021 .....                | 10        |
| Mathematics 2010 .....                              | 3         |
| Physics 2030-2031, 2040-2041.....                   | 8         |
|                                                     | <u>31</u> |
| THIRD YEAR                                          | SEM. HRS. |
| Biomedical concentration courses <sup>4</sup> ..... | 16        |
| Humanities <sup>3</sup> .....                       | 6         |
| Social/behavioral sciences <sup>5</sup> .....       | 6         |
|                                                     | <u>28</u> |

Footnotes:

- <sup>1</sup> This curriculum meets the current requirements for entrance into the LSU School of Medicine at New Orleans and at Shreveport, and the LSU School of Dentistry. Requirements may vary at other universities.
- <sup>2</sup> LSU School of Dentistry requires 9 hours of English; select an additional three hours from ENGL 2110, 3210 or 3230.
- <sup>3</sup> Recommended courses include ENGL 2110, 3230 or 3210, History, or COMM 1010.
- <sup>4</sup> Recommended courses include BIOL 2060-2061, 2080-2081, 3060, 3170-3171, 3270-3271, 3290, 3310-3311, 3320-3321, 4060-4061, 4300-4301.
- <sup>5</sup> Recommended courses include Economics, Psychology, or Sociology.

### Pre-Occupational Therapy

#### Curriculum for Pre-Occupational Therapy (618K)<sup>1</sup>

| FIRST YEAR                                      | SEM. HRS. |
|-------------------------------------------------|-----------|
| Biology <sup>2</sup> 1010-1011, 1020-1021 ..... | 8         |
| English 1010, 1020.....                         | 6         |
| Humanities <sup>3</sup> .....                   | 3         |
| General electives <sup>4</sup> .....            | 3         |
| Mathematics 1020, 1090.....                     | 6         |
| University Studies 1000.....                    | 1         |
| Sociology 1010.....                             | 3         |
|                                                 | <u>30</u> |

| SECOND YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| Biology electives <sup>5</sup> .....                 | 3         |
| Chemistry <sup>2</sup> 1030-1031, 1040-1041 .....    | 8         |
| Concentration-dependent courses <sup>2,5</sup> ..... | 12        |
| Humanities <sup>3</sup> .....                        | 3         |
| Mathematics 2010 .....                               | 3         |
| Psychology 2050 <sup>2</sup> .....                   | 3         |
|                                                      | <u>32</u> |

| THIRD YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Biology <sup>2</sup> 3060, 3310-3311, 3320-3321..... | 11        |
| Biology electives <sup>5</sup> .....                 | 3         |
| Concentration-dependent courses <sup>2,5</sup> ..... | 3         |
| Fine Arts 1040.....                                  | 3         |
| Human Performance 3550 <sup>2</sup> .....            | 3         |
| Humanities <sup>3</sup> .....                        | 3         |
| Physics <sup>2</sup> 2030-2031 .....                 | 4         |
|                                                      | <u>30</u> |

| FOURTH YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| Biology <sup>2</sup> 4970 or 4990; 4995.....         | 6         |
| Biology electives <sup>5</sup> .....                 | 4         |
| Concentration-dependent courses <sup>2,5</sup> ..... | 6         |
| General electives <sup>5</sup> .....                 | 6         |
| Psychology 4450 <sup>2</sup> .....                   | 3         |
| Social Science.....                                  | 3         |
|                                                      | <u>28</u> |

Footnotes:

- <sup>1</sup> This curriculum meets the current requirements for entrance into the Master of Occupational Therapy at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.
- <sup>2</sup> Students must earn a grade of C or better in these courses.
- <sup>3</sup> Refer to university core requirements.
- <sup>4</sup> Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.
- <sup>5</sup> Refer to biology degree requirements.

### Pre-Pharmacy

#### Curriculum for Pre-Pharmacy (618I)<sup>1</sup>

| FIRST YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| Biology 1010-1011, 1020-1021 .....   | 8         |
| Chemistry 1030-1031, 1040-1041 ..... | 8         |
| English 1010, 1020.....              | 6         |
| Mathematics 1020, 1090.....          | 6         |
| University Studies 1000 .....        | 1         |
|                                      | <u>29</u> |

| SECOND YEAR                                              | SEM. HRS. |
|----------------------------------------------------------|-----------|
| Biology 2020-2021, 2060-2061, 3310-3311, 3320-3321 ..... | 16        |
| Chemistry 3010-3011, 3020-3021 .....                     | 10        |
| Communication 1010.....                                  | 3         |
| English 2110 .....                                       | 3         |
|                                                          | <u>32</u> |

| THIRD YEAR                                                     | SEM. HRS. |
|----------------------------------------------------------------|-----------|
| Biology 3060, 3250-3251, 3270-3271, 4190-4191, 4280, 4350..... | 21        |
| Mathematics 2100 .....                                         | 5         |
| Social Science Elective <sup>2</sup> .....                     | 3         |
|                                                                | <u>29</u> |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Biology 3290, 4300-4301, 4900 ..... | 8         |
| Communications 2500.....            | 3         |
| Economics 2000 or 2010.....         | 3         |
| English 3230 .....                  | 3         |
| Fine Arts 1040.....                 | 3         |
| History <sup>3</sup> 3 .....        | 3         |
| Physics 2030-2031 .....             | 4         |
| Psychology 1010.....                | 3         |
|                                     | <u>30</u> |

Footnotes:

- <sup>1</sup> This curriculum meets the current admission requirements of the University of Louisiana at Monroe School of Pharmacy. Requirements may vary at other universities.
- <sup>2</sup> Choose from Anthropology 1510, Geography 1010, Philosophy 1010, or Political Science 2010.
- <sup>3</sup> Choose from History 1010, 1020, 2010, or 2020.

## Pre-Optometry

### Curriculum for Pre-Optometry (618H)<sup>1</sup>

| FIRST YEAR                                                 | SEM. HRS. |
|------------------------------------------------------------|-----------|
| Biology 1010-1011, 1020-1021.....                          | 8         |
| Chemistry 1030-1031, 1040-1041.....                        | 8         |
| English 1010, 1020.....                                    | 6         |
| General Electives <sup>2</sup> .....                       | 3         |
| Mathematics 1020, 1090.....                                | 6         |
|                                                            | 31        |
| SECOND YEAR                                                | SEM. HRS. |
| Biology 2060-2061, 3060.....                               | 7         |
| Chemistry 3010-3011.....                                   | 5         |
| General Electives <sup>2</sup> .....                       | 3         |
| Mathematics 2010.....                                      | 3         |
| Physics 2030-2031, 2040-2041.....                          | 8         |
| Psychology 1010.....                                       | 3         |
|                                                            | 29        |
| THIRD YEAR                                                 | SEM. HRS. |
| Biology 3310-3311, 3320-3321, 4350-4351 <sup>3</sup> ..... | 12        |
| General Electives <sup>2</sup> .....                       | 18        |
|                                                            | 30        |

#### Footnotes:

- <sup>1</sup> This curriculum meets the current admission requirements of 90 semester hours published by the Association of Schools and Colleges of Optometry. Since requirements vary slightly between schools, students are encouraged to contact the program(s) of their interest for specific requirements. In particular, students interested in the University of Houston College of Optometry should note the requirement of a bachelor's degree prior to admission into their Doctor of Optometry program.
- <sup>2</sup> Recommended Electives include History and other Humanities, Speech, and Social Sciences.
- <sup>3</sup> These courses are strongly recommended. Biochemistry (BIOL 4350-4351) may substitute for one semester of organic chemistry (CHEM 3020-3021).

## Pre-Physical Therapy

### Curriculum for Pre-Physical Therapy (618L)<sup>1</sup>

| FIRST YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Biology <sup>2</sup> 1010-1011, 1020-1021.....         | 8         |
| English <sup>2</sup> 1010, 1020.....                   | 6         |
| Communication 1010 <sup>2</sup> .....                  | 3         |
| General electives <sup>3</sup> .....                   | 3         |
| Mathematics <sup>2</sup> 1020, 1090.....               | 6         |
| University Studies 1000.....                           | 1         |
| Social science <sup>4</sup> .....                      | 3         |
|                                                        | 30        |
| SECOND YEAR                                            | SEM. HRS. |
| Biology electives <sup>5</sup> .....                   | 3         |
| Chemistry <sup>2</sup> 1030-1031, 1040-1041.....       | 8         |
| Concentration-dependent courses <sup>2,5,6</sup> ..... | 12        |
| Humanities <sup>3</sup> .....                          | 3         |
| Mathematics 2010.....                                  | 3         |
| Psychology 2050 <sup>2</sup> .....                     | 3         |
|                                                        | 32        |
| THIRD YEAR                                             | SEM. HRS. |
| Biology <sup>2</sup> 3060, 3310-3311, 3320-3321.....   | 11        |
| Biology electives <sup>5</sup> .....                   | 3         |
| Concentration-dependent courses <sup>2,5,6</sup> ..... | 3         |
| Fine Arts 1040.....                                    | 3         |
| Humanities <sup>3</sup> .....                          | 3         |
| Physics <sup>2</sup> 2030-2031, 2040-2041.....         | 8         |
|                                                        | 31        |
| FOURTH YEAR                                            | SEM. HRS. |
| Biology <sup>2</sup> 4970 or 4990; 4995.....           | 6         |
| Biology electives <sup>5</sup> .....                   | 4         |
| Concentration-dependent courses <sup>2,5,6</sup> ..... | 6         |
| English <sup>2</sup> 3210 or 3230.....                 | 5         |
| General electives <sup>5</sup> .....                   | 5         |
| Psychology <sup>2</sup> 4450.....                      | 3         |
|                                                        | 29        |

#### Footnotes:

- <sup>1</sup> This curriculum meets the current requirements for entrance into the Doctor of Physical Therapy at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.

- <sup>2</sup> Students must earn a grade of "C" or better in these courses.
- <sup>3</sup> Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.
- <sup>4</sup> Refer to university core requirements.
- <sup>5</sup> Refer to biology degree requirements.
- <sup>6</sup> Recommended courses include BIOL 2060-2061, 3170-3171 and 3250-3251.

## Pre-Veterinary Medicine

### Curriculum for Pre-Veterinary Medicine (618C)<sup>1</sup>

| FIRST YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Biology 1010-1011, 1020-1021.....                      | 8         |
| Chemistry 1030-1031, 1040-1041.....                    | 8         |
| Communication 1010 or 2500 <sup>2</sup> .....          | 3         |
| Elective <sup>1</sup> .....                            | 3         |
| English 1010, 1020.....                                | 6         |
| Mathematics 1020, 1090.....                            | 6         |
| University Studies 1000.....                           | 1         |
|                                                        | 35        |
| SECOND YEAR                                            | SEM. HRS. |
| Biology 2060-2061, 4350.....                           | 7         |
| Chemistry 3010-3011.....                               | 5         |
| Electives <sup>1</sup> .....                           | 3         |
| Physics 2030-2031, 2040-2041.....                      | 8         |
| Veterinary Technology 1020.....                        | 2         |
| Concentration-dependent courses <sup>2,5,6</sup> ..... | 6         |
| English <sup>2</sup> 3210 or 3230.....                 | 3         |
| General electives <sup>5</sup> .....                   | 5         |
| Psychology <sup>2</sup> 4450.....                      | 3         |
|                                                        | 27        |

#### Footnotes:

- <sup>1</sup> This curriculum comprises those courses required by the School of Veterinary Medicine at Louisiana State University. Students interested in applying to veterinary school may choose courses from elective requirements that will apply towards a terminal undergraduate degree (i.e., bachelor's degree in biology or mathematics; associate degree in veterinary technology).
- <sup>2</sup> Online courses are NOT acceptable for this prerequisite. Additionally, the speech communication requirement is not waived in lieu of work experience, earned degrees or oral-intensive courses.

**NOTE:** All correspondence involving veterinary medical education and requests for applications for admission to the school should be addressed to the Dean, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Louisiana 70803 or contact the Pre-Veterinary advisor at NSU. Formal application and all required credentials must be submitted by September 15 prior to the year admission is sought.

## Pre-Physician Assistant

### Curriculum for Pre-Physician Assistant (618P)<sup>1</sup>

| FIRST YEAR                                              | SEM. HRS. |
|---------------------------------------------------------|-----------|
| Biology <sup>2</sup> 1010-1011, 1020-1021.....          | 8         |
| English 1010, 1020.....                                 | 6         |
| Humanities <sup>3</sup> .....                           | 3         |
| General electives <sup>4</sup> .....                    | 3         |
| Mathematics <sup>5</sup> .....                          | 6         |
| University Studies 1000.....                            | 1         |
| Social/behavioral sciences <sup>3</sup> .....           | 3         |
|                                                         | 30        |
| SECOND YEAR                                             | SEM. HRS. |
| Biology <sup>2</sup> 2060-2061, 3060.....               | 7         |
| Biomedical concentration courses <sup>2,6,7</sup> ..... | 4         |
| Chemistry <sup>2</sup> 1030-1031, 1040-1041.....        | 8         |
| Humanities <sup>3</sup> .....                           | 3         |
| Mathematics <sup>4</sup> .....                          | 3         |
| Social/behavioral sciences <sup>2</sup> .....           | 3         |
|                                                         | 28        |
| THIRD YEAR                                              | SEM. HRS. |
| Biology <sup>2</sup> 3060, 3310-3311, 3320-3321.....    | 11        |
| Biology electives.....                                  | 7         |
| Fine Arts 1040.....                                     | 3         |
| Humanities <sup>3</sup> .....                           | 3         |
| General electives <sup>4</sup> .....                    | 6         |
|                                                         | 30        |
| FOURTH YEAR                                             | SEM. HRS. |
| Biology <sup>2</sup> 4970 or 4990; 4995.....            | 6         |
| Biology electives <sup>6</sup> .....                    | 3         |
| Biomedical concentration courses <sup>2,6,7</sup> ..... | 10        |
| General electives <sup>4</sup> .....                    | 13        |
|                                                         | 32        |

---

Footnotes:

- <sup>1</sup> This curriculum meets the current requirements for entrance into the Master of Physician Assistant Studies at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.
- <sup>2</sup> Students must earn a grade of C or better in these courses.
- <sup>3</sup> Refer to university core requirements.
- <sup>4</sup> Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.
- <sup>5</sup> Selected from one of the following sequences: MATH 1020, 1060, 2010; 1020, 1090, 2010; or 2100, 2110.
- <sup>6</sup> Refer to biology degree requirements.
- <sup>7</sup> A minimum of eight hours must be at the 3000 or 4000 level. Strongly recommended courses include BIOL 3270, 4190-4191, 4270, and 4350-4351.

# DEPARTMENT OF ENGINEERING TECHNOLOGY

101 Williamson Hall  
318-357-6751  
engineering@nsula.edu

**Department Head:** MD Shahriar Hossain, *Associate Professor*

*Professor Emeritus:* Thomas M. Hall

*Professors:* Islam, Sapkota

*Associate Professors:* Chen

*Assistant Professor:* Ali

*Instructor:* Caskey

## Degree Programs Available Through the Department of Engineering Technology:

Associate of Science program in: Engineering Technology, with concentrations in: advanced manufacturing, electronics, industrial

Bachelor of Science programs in: Electronics Engineering Technology, with concentrations in: biomedical and electronics; Industrial Engineering Technology

## Pre-professional Program:

Pre-engineering

## Post Baccalaureate Certificates Offered Through the Department of Engineering Technology:

Project Management  
Quality Control

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above Post Baccalaureate Certificates (PBCs). Refer to the Engineering Technology web page at <https://engrtech.nsula.edu> for detailed information on the Project Management and Quality Control certification programs.

## Accreditation

The Bachelor of Science in Electronics Engineering Technology, and the Bachelor of Science in Industrial Engineering Technology are accredited by ABET Engineering Technology Accreditation Commission, <http://www.abet.org>.

## Electronics Engineering Technology

**Electronics Engineering Technology Major Requirements:** (66-69 semester hours) Students seeking a major in Electronics Engineering Technology must complete 66-69 semester hours, within the 120 semester hour Electronics Engineering Technology curriculum, which include the 46 semester hour Electronics Engineering Technology core and a 20-23 semester hour concentration.

**Core:** (46 semester hours) Electronics Engineering Technology 1300-1301, 1320-1321, 1330-1331, 2320-2321, 2330-2331, 2350-2351, 3310-3311, 3360-3361, 4300-4301, 4940 or Industrial Engineering Technology 4940; Industrial Engineering Technology 1400, 1700, 3740.

### Available Concentrations:

**Electronics (141A):** (20 semester hours): Electronics Engineering Technology 4310-4311, 4350-4351, 4390, 4950 or Industrial Engineering Technology 4960; Industrial Engineering Technology 2790; and three additional hours of technical electives<sup>1</sup>.

**Biomedical (141B):** (23 semester hours): Biomedical Engineering Technology 3320-3321, 3370-3371, 4390-4391, 4950 (3 hours); Biology 2250-2251, 2260-2261.

## Electronics Engineering Technology Minor Requirements:

(25 semester hours) Electronics Engineering Technology 1300-1301, 1320-1321, 1330-1331, 2320-2321, 2330-2331, 3310-3311 or 3340-3341 or 3360-3361, and Industrial Engineering Technology 1700.

## Curriculum for Electronics Engineering Technology (141)

| FIRST YEAR                                                                     | SEM. HRS. |
|--------------------------------------------------------------------------------|-----------|
| Chemistry <sup>4</sup> .....                                                   | 3         |
| Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331 ..... | 13        |
| English 1010, 1020.....                                                        | 6         |
| Industrial Engineering Technology 1400, 1700.....                              | 4         |
| Mathematics 1820, 1830.....                                                    | 6         |
| University Studies 1000 .....                                                  | 1         |
|                                                                                | 33        |

| SECOND YEAR                                                                         | SEM. HRS. |
|-------------------------------------------------------------------------------------|-----------|
| Electronics Engineering Technology 2320-2321, 2330-2331, 2350-2351, 3310-3311 ..... | 16        |
| EET concentration area <sup>3</sup> .....                                           | 3-4       |
| Mathematics 2130, 2140.....                                                         | 6         |
| Physics 2030-2031 .....                                                             | 4         |
|                                                                                     | 29-30     |

| THIRD YEAR                                                    | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Biological Science <sup>2</sup> .....                         | 0-3       |
| Computer Science 1060 or                                      |           |
| Industrial Engineering Technology 1080.....                   | 3         |
| Electronics Engineering Technology 3360-3361, 4300-4301 ..... | 8         |
| EET concentration area <sup>3</sup> .....                     | 11-16     |
| English 2110; 3230 or 3190 .....                              | 6         |
|                                                               | 31-33     |

| FOURTH YEAR                                 | SEM. HRS. |
|---------------------------------------------|-----------|
| Behavioral Science <sup>1</sup> .....       | 3         |
| Communication 1010.....                     | 3         |
| Economics 2000.....                         | 3         |
| Electronics Engineering Technology 4940 or  |           |
| Industrial Engineering Technology 4940..... | 3         |
| EET concentration area <sup>3</sup> .....   | 3-6       |
| Fine Arts 1040 .....                        | 3         |
| History <sup>5</sup> .....                  | 3         |
| Industrial Engineering Technology 3740..... | 3         |
|                                             | 24-27     |

Total Semester Hours for Degree:..... 120

### Footnotes:

- 1 Technical electives may be selected from any Biomedical Engineering Technology, Computer Science, Electronics Engineering Technology, or Industrial Engineering Technology courses, or Mathematics 2050. Electives may include a maximum of three hours of occupational field experience.
- 2 Students in Biomedical concentration must take the Biology courses specified within the concentration, students in the Electronics concentration area must meet the University core curriculum requirements for biological science.
- 3 Chosen from concentration area.
- 4 Students can take CHEM 1030, CHEM 1070 or SCI 1010.
- 5 Must meet the University core curriculum requirements.

## Industrial Engineering Technology

**Industrial Engineering Technology Major Requirements:** (67 semester hours) Students seeking a major in Industrial Engineering Technology must complete 67 semester hours within the 120 semester hour Industrial Engineering Technology curriculum, which includes Electronic Engineering Technology 1300-1301, 1311, 1320-1321; Industrial Engineering Technology 1400, 1700, 1800, 2020, 2040, 2790, 3150, 3510, 3570, 3740, 3900, 4700, 4720, 4730, 4820, 4890, 4940 or Electronics Engineering Technology 4940, 4960 or Electronics Engineering Technology 4950; and six hours of electives from any Industrial Engineering Technology or Electronics Engineering Technology courses.

**Requirements for a Minor in Industrial Engineering Technology:** (23 semester hours) Electronics Engineering Technology 1311; Industrial Engineering Technology 1400, 1700, 1800, 2020, 2040, 3510, 4730, and 4820.

### Curriculum for Industrial Engineering Technology (145)

| FIRST YEAR                                                | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| CHEM 1030 or CHEM 1070 or SCI 1010 .....                  | 3         |
| Electronics Engineering Technology 1300, 1301, 1311 ..... | 5         |
| English 1010 .....                                        | 3         |
| Industrial Engineering Technology 1400, 1700, 1800 .....  | 7         |
| Mathematics 1820, 1830, 2130, 2140 .....                  | 12        |
| University Studies 1000 .....                             | 1         |
|                                                           | 31        |

| SECOND YEAR                                                              | SEM. HRS. |
|--------------------------------------------------------------------------|-----------|
| Communication 1010 .....                                                 | 3         |
| Computer Science 1060 or<br>Industrial Engineering Technology 1080 ..... | 3         |
| Electronics Engineering Technology 1320-1321 .....                       | 4         |
| English 1020, 2110 .....                                                 | 6         |
| Industrial Engineering Technology 2020, 2040, 2790 .....                 | 9         |
| Physics 2030-2031 .....                                                  | 4         |
|                                                                          | 29        |

| THIRD YEAR                                                                                | SEM. HRS. |
|-------------------------------------------------------------------------------------------|-----------|
| ECON 2000 .....                                                                           | 3         |
| English 3230 .....                                                                        | 3         |
| Industrial Engineering Technology 3150, 3510, 3570,<br>3740, 3900, 4720, 4730, 4820 ..... | 24        |
|                                                                                           | 30        |

| FOURTH YEAR                                                                                            | SEM. HRS. |
|--------------------------------------------------------------------------------------------------------|-----------|
| Biological Science <sup>1</sup> .....                                                                  | 3         |
| Electives <sup>2</sup> .....                                                                           | 6         |
| Fine Arts 1040 .....                                                                                   | 3         |
| Humanities <sup>1</sup> .....                                                                          | 3         |
| Industrial Engineering Technology 4700, 4890, 4960 or<br>Electronics Engineering Technology 4950 ..... | 9         |
| Behavioral Science <sup>1</sup> .....                                                                  | 3         |
| Electronics Engineering Technology 4940 or<br>Industrial Engineering Technology 4940 .....             | 3         |
|                                                                                                        | 30        |

Total Semester Hours for Degree..... 120

#### Footnotes:

- <sup>1</sup> Must meet University core requirements.
- <sup>2</sup> Electives may be selected from any Industrial Engineering Technology, Biomedical Engineering Technology, or Electronics Engineering Technology courses. Electives may include a maximum of three hours of occupational field experience.

## Associate of Science Degree

### Engineering Technology

Students seeking an Associate of Science in Engineering Technology must complete 62-66 semester hours which include a 28-semester hour core and 34-38 semester hour concentration.

#### Available Concentrations:

**Advanced Manufacturing (140C):** (38 semester hours): Electronics Engineering Technology 1350, 1370, 2210-2211, 2330-2331; Industrial Engineering Technology 1400, 1520, 1800, 2020, 2700, 2920, 3150.

**Electronics (140A):** (35 semester hours): Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331, 2320-2321, 2330-2331, 2350-2351; Industrial Engineering Technology 1400, 1700; Mathematics 2130, 2140.

**Industrial (140B):** (34 semester hours): Electronics Engineering Technology 1300-1301, 1311, 1320-1321; Industrial Engineering Technology 1080, 1400, 1700, 1800, 2020, 2040; Elective<sup>1</sup>, Mathematics 2130, 2140.

### Curriculum for Engineering Technology (140)

| FIRST YEAR                                      | SEM. HRS. |
|-------------------------------------------------|-----------|
| Engineering Technology concentration area ..... | 13-19     |
| English 1010 .....                              | 3         |
| Fine Arts 1040 .....                            | 3         |
| Mathematics 1020 or 1820, 1090 or 1830 .....    | 6         |
| Physical Science <sup>2</sup> .....             | 3         |
| University Studies 1000 .....                   | 1         |
|                                                 | 29-35     |

| SECOND YEAR                                     | SEM. HRS. |
|-------------------------------------------------|-----------|
| Communication 1010 .....                        | 3         |
| Engineering Technology concentration area ..... | 19-22     |
| English 1020 .....                              | 3         |
| Science 1020 .....                              | 3         |
| Social/behavioral science <sup>3</sup> .....    | 3         |
|                                                 | 31-34     |

Total Semester Hours for Degree:.....62-66

#### Footnotes:

- <sup>1</sup> One course from IET 2110, 2700, 2830, 2840, or 2920.
- <sup>2</sup> Students can choose either CHEM 1030, 1070, or SCI 1010.
- <sup>3</sup> Students can choose either EPSY 2020 or PSYC 1010 or 2050 or SOC 1010.

## Pre-professional Program

### Pre-Engineering

### Curriculum for Pre-Engineering (141E)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Chemistry 1030, 1031, 1040, 1041 .....             | 8         |
| English 1010, 1020 .....                           | 6         |
| Industrial Engineering Technology 1400, 1700 ..... | 4         |
| Mathematics 2100, 2110 <sup>1</sup> .....          | 10        |
| University Studies 1000 .....                      | 1         |
| Social/behavioral science .....                    | 3         |
|                                                    | 32        |

| SECOND YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| Computer Science 2010 .....            | 3         |
| Economics 2010 .....                   | 3         |
| English literature .....               | 3         |
| Mathematics 3130, 3160 .....           | 6         |
| Physics 2510-2511, 2520-2521 .....     | 10        |
| Social/behavioral science .....        | 3         |
| Technical electives <sup>2</sup> ..... | 6         |
|                                        | 34        |

Total Semester Hours.....66

#### Footnotes:

- <sup>1</sup> Students who are deficient in algebra and trigonometry should take Mathematics 1100.
- <sup>2</sup> Electives determined by field of engineering to be pursued.

# DIVISION OF MATHEMATICS

314 Alost Hall

318-357-4308

[mathematics@nsula.edu](mailto:mathematics@nsula.edu)

**Coordinator:** Zebulun Marcotte, *Instructor*

*Professors:* Covington, DeVault, Galminas, Myers, Rushing, Serio

*Associate Professors:* Autrey, Reeves

*Assistant Professor:* Richardson

*Instructors:* Davidson, Kelly, Maggio, Porter, Veuleman

## Degree Program Available Through the Department of Mathematics:

Bachelor of Science program in: Mathematics with concentrations in: healthcare informatics, actuarial mathematics, applied mathematics, computer science, sport analytics

### Mathematics

**Mathematics Major Requirements:** (45 semester hours) Students seeking a major in Mathematics must complete 45 semester hours, within the 120 semester hour Mathematics curriculum, which include Mathematics 1010, 2080, 2100, 2110, 3090, 3100, 3130, 4940, 4950, 15 semester hours from 3000-4000 level mathematics courses or Statistics 4270 with at least 6 of these hours from 4000 level courses. Mathematics 4050 may not be used to satisfy the requirements of the Mathematics major.

**Requirements for a Minor in Mathematics:** (20 semester hours) Mathematics 2100, 2110 and ten additional hours selected from 2080, and/or any 3000-4000 level mathematics course(s) or Statistics 4270 or 4280. Mathematics 4050 may not be used to satisfy the requirements of the Mathematics minor.

### Available Concentration:

**Actuarial Mathematics (642B):** Mathematics 3150, 3270, 3 hours of Mathematics 4900, Statistics 4270, 4280, Computer Information Systems 2000, Accounting 2000, 2010, Finance 3090, 4200, Economics 2000, 2010.

**Applied Mathematics (642C):** Mathematics 3160, 3170, 4100, 4260, Statistics 4270, 4280, Computer Science 3040, Physics 3900, 4100, Chemistry 1030, 1031, 3210, 3220, Biology 3060-3061.

**Computer Science (642D):** Mathematics 3030, 3150, 3910, 4060, 4100, Computer Science 2020, 2100, 3030, 3120, 4001, 4010, 4040, Computer Information Systems 3970, Electrical Engineering Technology 1330, 1331.

**Healthcare Informatics (642A):** Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270, Computer Science 2100, Computer Information Systems 1030, 2100, 2980, 3300, 3900, 4000.

**Sport Analytics (642E):** Mathematics 2050, 3150, 3300, 3310, 4270, 4280, Computer Science, 2100, Computer Information Systems 2000, 2980, 4070, Economics 2000, 2010, English 3230, Human Performance 4030, 4400.

## Curriculum for Mathematics (642)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| CSC 1060, 1061, 2060 .....                           | 7         |
| English 1010, 1020 .....                             | 6         |
| Fine Arts 1040 .....                                 | 3         |
| History 1010, 1020, 2010 or 2020 .....               | 3         |
| Mathematics 1010, 2100, 2110 .....                   | 11        |
| University Studies 1000 .....                        | 1         |
|                                                      | <u>31</u> |
| SECOND YEAR                                          | SEM. HRS. |
| Biology 1010-1011 .....                              | 4         |
| Communication .....                                  | 3         |
| Electives <sup>4</sup> .....                         | 6         |
| English 2110 .....                                   | 3         |
| Mathematics 2080, 3090, 3130 .....                   | 10        |
| Physics 2510-2511 .....                              | 4         |
|                                                      | <u>30</u> |
| THIRD YEAR                                           | SEM. HRS. |
| Behavioral science <sup>1</sup> .....                | 3         |
| Electives <sup>4</sup> .....                         | 9         |
| Mathematics 3100, electives <sup>2</sup> .....       | 12        |
| Science elective <sup>3</sup> .....                  | 4         |
| Social science <sup>1</sup> .....                    | 3         |
|                                                      | <u>31</u> |
| FOURTH YEAR                                          | SEM. HRS. |
| Electives <sup>4</sup> .....                         | 16        |
| Mathematics 4940, 4950, electives <sup>2</sup> ..... | 12        |
|                                                      | <u>28</u> |

Total Semester Hours for Degree ..... 120

### Footnotes:

- <sup>1</sup> Must meet University core requirements.
- <sup>2</sup> Upper level mathematics, Statistics 4270 or 4280. At least 6 hours must be above 4000. Mathematics 4050 may not be used to satisfy this requirement. Students in the Healthcare Informatics concentration will take Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270 and 6 additional hours. Students in the Actuarial Mathematics concentration will take Mathematics 3270, 3150, 3 hours of Mathematics 4900, Statistics 4270, 4280, and 3 additional hours. Students in the Applied Mathematics concentration will take Mathematics 3160, 3170, 4100, 4260, Statistics 4270 and 4280. Students in the Computer Science concentration will take Mathematics 3030, 3150, 3910, 4060, and 4100. Students in the Sport Analytics concentration will take Mathematics 3150, 3300, 3310, Statistics 4270 and 4280.
- <sup>3</sup> Selected from one of the following three sequences: Biology 1020-1021 or Physics 2520- 2521. Students in the Applied Mathematics concentration will take Physics 2520-2521.
- <sup>4</sup> Electives must include at least 9 hours of 2000-, 3000-, or 4000-level STEM courses taken from MATH, CSC, BIOL, CHEM, EET, IET, or PHYS courses. Students in Healthcare Informatics will take Computer Science 2100, Computer Information Systems 1030, 2100, 2980, 3300, 3900, 4000, and 7 additional hours. Students in Actuarial Mathematics will take Economics 2000, 2010, Computer Information Systems 2000, Accounting 2000, 2010, Finance 3090, 4200, and 4 additional hours. Students in Applied Mathematics will take Computer Science 3040, Chemistry 1030, 1031, 3210, 3220, Physics 3900, 4100, Biology 3060-3061, and 6 additional hours. Students in Sport Analytics will take Mathematics 2050, Computer Science 2100, Computer Information Systems 2000, 2980, 4070, Economics 2000, 2010, Human Performance 4030, 4400, and either English 3210 or 3230.

# DEPARTMENT OF PHYSICAL SCIENCE

221 Fournet Hall  
318-357-5323  
physicalsci@nsula.edu

**Coordinator:** Damien Trisiant, *Associate Professor*

*Associate Professors:* Dugas, Hill, Rivera-Vazquez, Santiago-Rodriguez, Thibodeaux,

*Assistant Professors:* Samarakoon

## Degree Program Available Through the Department of Physical Science:

Bachelor of Science program in: Physical Science with concentrations in: biochemistry, chemistry, forensic laboratory science, physics

### Physical Science

**Physical Science Major Requirements:** (74 semester hours)  
Students seeking a major in Physical Science must complete 74 semester hours, within the 120 semester hour Physical Science curriculum, which includes the following:

- **Physical Science core:** BIOL 1010-1011, 1020-1021; CHEM 1030-1031, 1040-1041; PHYS 2510-2511, and 2520-2521; and CHEM 4910, 4920 or PHYS 4930, 4940.
- **Physical Science electives\* or concentration-dependent courses:**  
\***Physical Science electives:** (637; 30 semester hours)  
select from CHEM 2110-2111, 2120-2121, 3010-3011, 3020-3021, 3210, 3220-3221, 4040, MATH 2050, 3090, 3130, 3150, 3160, 4050, PHYS 3120, 3291, 3400, 3710, 4510, and 4100.
- **Science electives:** 4 semester hours for 637B, 9 semester hours for 637D, 10 semester hours for 637C, and 14 semester hours for 637 and 637A. These courses can be any biology, chemistry, math, or physics courses.

### Available Concentrations:

**Chemistry (637A):** (30 semester hours) CHEM 2110-2111, 2140-2041, 3010-3011, 3210, and 4040-4041. Select 15 hrs. from CHEM 2120-2121, 2160, 3020-3021, 3100, 3220-3221, 4050, 4140, 4160-4161 or 4950 or 4880.

**Biochemistry (637B):** (40 semester hours) CHEM 2110-2111, 2140, 3010-3011, 3020-3021, 3210, 4040-4041, 4050. BIOL 2060-2061, 3250, 3270-3271, 4300-4301.

**Forensic Laboratory Science (637C):** (38 semester hours) CJ 1100, 2600 CHEM 3010-3011, 3230, 3240, 3500-3501, 4160-4161. Select either Drug/Trace Evidence Analysis: CHEM 2110-2111, 2120-2121, 2140, 3020-3021 or DNA Analysis: BIOL 3060-3061, 3270-3271, 4300-4301, CHEM 4040.

**Physics (637D):** (35 semester hours) select from CHEM 3220, MATH 3130, 3160, PHYS 3010-3011, 3291, 3400, 3510, 3710, 4100, 4510, 4520 or 4880.

**Chemistry Minor Requirements:** (22 semester hours)  
Chemistry 1030-1031, 1040-1041, 3010-3011; 7 semester hours of any Chemistry course at the 2000 level or above; 3 semester hours of any Chemistry at the 3000 level or above.

**Physics Minor Requirements:** (22 semester hours)  
Physics 2510-2511, 2520-2521; 14 additional semester hours of Physics coursework at the 2000 level or above.

**Physical Science Minor Requirements:** (21 semester hours)  
CHEM 1030-1031, 1040-1041; Physics 2510-2511, 2520-2521; 3 semester hours of chemistry or physics electives.

### Curriculum for Physical Science (637)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Chemistry <sup>1</sup> 1030, 1040, 1031, 1041..... | 8         |
| Communication 1010 or 2500.....                    | 3         |
| English 1010, 1020.....                            | 6         |
| Fine Arts 1040.....                                | 3         |
| Mathematics 2100 <sup>7</sup> , 2110.....          | 10        |
| University Studies 1000.....                       | 1         |
|                                                    | <u>31</u> |

| SECOND YEAR                                                                                        | SEM. HRS. |
|----------------------------------------------------------------------------------------------------|-----------|
| Biology 1010-1011, 1020-1021.....                                                                  | 8         |
| Concentration-dependent courses <sup>1,2</sup> or<br>Physical Science electives <sup>1</sup> ..... | 4         |
| English 2110.....                                                                                  | 3         |
| History 1010, 1020, 2010 or 2020.....                                                              | 3         |
| Physics <sup>1</sup> 2510-2511, 2520-2521.....                                                     | 8         |
| Academic electives <sup>8</sup> .....                                                              | 5         |
|                                                                                                    | <u>31</u> |

| THIRD YEAR                                                                                         | SEM. HRS. |
|----------------------------------------------------------------------------------------------------|-----------|
| Behavioral Science <sup>3</sup> .....                                                              | 3         |
| Concentration-dependent courses <sup>1,2</sup> or<br>Physical Science electives <sup>1</sup> ..... | 8-17      |
| Academic electives <sup>8</sup> .....                                                              | 6         |
| Science electives <sup>4</sup> .....                                                               | 9         |
| Social Science.....                                                                                | 3         |
|                                                                                                    | <u>29</u> |

| FOURTH YEAR                                                                                          | SEM. HRS. |
|------------------------------------------------------------------------------------------------------|-----------|
| Concentration-dependent courses <sup>1,2</sup> or<br>Physical Science electives <sup>1</sup> .....   | 18-19     |
| Chemistry <sup>1</sup> 4910, 4920 <sup>5</sup> or Physics <sup>1</sup> 4930, 4940 <sup>6</sup> ..... | 6         |
| Science electives <sup>4</sup> .....                                                                 | 4-5       |
|                                                                                                      | <u>29</u> |

Total Semester Hours for Degree..... 120

#### Footnotes:

- <sup>1</sup> Students majoring in Physical Science must earn a grade of "C" or better in all CHEM and PHYS core classes and concentration electives or physical science electives.
- <sup>2</sup> Refer to different concentration requirements.
- <sup>3</sup> Must meet University core requirements.
- <sup>4</sup> Must be selected from biology, chemistry, math, or physics courses. The number of science elective courses required will vary depending on the concentration selected.
- <sup>5</sup> Students in the chemistry concentration (637A) must take the chemistry 4910, 4920 sequence.
- <sup>6</sup> Students in the physics concentration (637D) must take the physics 4930, 4940 sequence.
- <sup>7</sup> Students deficient in mathematics should take mathematics 1020 and 1090, or 1100 before 2100.
- <sup>8</sup> Any academic course is acceptable; but not more than six semester hours may be taken at the 1000 level.

# DEPARTMENT OF VETERINARY TECHNOLOGY

325 Bienvenu Hall  
318-357-6019  
vtec@nsula.edu

Interim Department Head: Kaleigh MacQueen, *Assistant Professor*

## Mission Statement

The mission of the Northwestern State University Veterinary Technology Program is to prepare graduates who as veterinary technicians or technologists are clinically competent and demonstrate:

- excellent and compassionate patient care and services;
- excellent technical skills;
- professionalism and high ethical standards;
- promotion of public health;
- commitment to lifelong learning

Our Veterinary Technology curriculum provides students with the requirements necessary to sit for the Veterinary Technician National Examination (VTNE). Upon successful completion of the VTNE and registration with the State Board of Veterinary Medicine, the graduate will be credentialed as a Registered Veterinary Technician (RVT).

## Degree Program Available Through the Department of Veterinary Technology:

Associate Degree program in: Veterinary Technology

### Veterinary Technology

The Veterinary Technology Program is fully accredited by the American Veterinary Medical Association, Division of Scientific Activities, 1931 North Meacham Road, Suite 100, Schaumburg, Illinois 60173-4630.

## Curriculum for Veterinary Technology (725)<sup>1</sup>

| FIRST YEAR                                                               | SEM. HRS. |
|--------------------------------------------------------------------------|-----------|
| Biology 1010-1011, 1020-1021, 2060-2061.....                             | 12        |
| English 1010, 1020 .....                                                 | 6         |
| Fine Arts 1040.....                                                      | 3         |
| Mathematics 1020.....                                                    | 3         |
| University Studies 1000 .....                                            | 1         |
| Psychology 1010.....                                                     | 3         |
| Veterinary Technology <sup>3</sup> 1010-1011, 1020, 1030-1031, 2060..... | 9         |
|                                                                          | <u>37</u> |

| SECOND YEAR                                                                                                     | SEM. HRS. |
|-----------------------------------------------------------------------------------------------------------------|-----------|
| Humanities <sup>2</sup> .....                                                                                   | 3         |
| Social/behavioral science <sup>2</sup> .....                                                                    | 3         |
| Veterinary Technology <sup>3</sup> 2090-2091, 2600, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090..... | 27        |
|                                                                                                                 | <u>33</u> |
| THIRD YEAR                                                                                                      | SEM. HRS. |
| Veterinary Technology 2900 <sup>4</sup> .....                                                                   | 12        |
|                                                                                                                 | <u>12</u> |
| Total Semester Hours for Degree.....                                                                            | 82        |

### Footnotes:

- 1 Students majoring in Veterinary Technology must have completed Veterinary Technology 3190-3191, 3200-3201 within one calendar year prior to registering for Veterinary Technology 2900 (Internship).
- 2 Refer to University core requirements.
- 3 Veterinary technology courses are offered only once each calendar year.
- 4 All other courses required for a degree in Veterinary Technology must have been successfully completed prior to registration in Veterinary Technology 2900.

### NOTES:

- All students majoring in Veterinary Technology will require a grade of C or better in each course entitled Veterinary Technology.
- Students entering the Veterinary Technology program must receive protective rabies prophylaxis immunization, consistent with the Center for Disease Control's guidelines on rabies prophylaxis for person in the high-risk group, within four months of matriculation into the major. Students entering the program voluntarily accept these and other health risks associated with working with animals in a veterinary setting and do assume the responsibility to act safely and responsibly at all times.
- A student enrolled in Veterinary Technology courses must meet with the Coordinator of the Veterinary Technology program at first knowledge of pregnancy to discuss specific risks, and complete a "Statement of Release" if she wishes to remain enrolled.
- Students entering the Veterinary Technology concentration must meet the essential skills and technical standards to perform functions required as an AVMA accredited program and the profession. A student with concerns about meeting these standards should visit with the Program Director to review the published guidelines for skills/standards.



# SCHOOL OF SOCIAL SCIENCES AND APPLIED PROGRAMS

105 Kyser Hall  
318-357-6967  
nsucjhss@nsula.edu

**Director:** Mark O. Melder, *Professor*

*Professors:* Granger, Gregory, Hailey, Hare, MacDonald, Pellegrin, Sinclair, J. Smith, Snyder  
*Associate Professors:* Atherton, Boudreaux, Gilson, Green, Hall, Lange, Manger, Marzoughi, Riall  
*Assistant Professors:* Peacock, Washington, Wise

## Mission of the School of Social Sciences and Applied Programs

The School of Social Sciences and Applied Programs at Northwestern State University is dedicated to the education of students for professional, leadership, academic, and research careers in the challenging fields of criminal justice, public safety, homeland security, public service and the social sciences. The school provides instruction across a broad range of concepts, with the ultimate goals of student attainment of excellence in analytical and critical thinking abilities, effective interpersonal, communication, problem-solving skills, moral commitment, and the acquisition of substantive bases of knowledge, necessary to secure positions in criminal justice, all levels of government, public policy, and private organizations. Using active learning, participatory pedagogy, and a Global perspective, the school holds a generalist orientation, through innovative analyses, in a student-centered, nurturing environment, and emphasizing an occupational context.

## Degree Programs Available Through the School of Social Sciences and Applied Programs:

Bachelor of Arts programs in: Criminal Justice, with concentration in: pre-law and paralegal studies; History

Bachelor of Science program in: Unified Public Safety Administration, with concentrations in: emergency management administration, fire and emergency medical services administration, geo computation, law enforcement administration, nuclear surety management, public facilities management

Master of Science program in: Homeland Security

## Undergraduate Certificate (UC) offered through the School of Social Sciences and Applied Programs:

Remote Systems Science and Technology

## Post Master Certificate (PMC) offered through the School of Social Sciences and Applied Programs:

Global Security and Intelligence (GSI) Certificate

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above certificate programs. Refer to the School of Social Sciences and Applied Programs web page at <https://cjhss.nsula.edu/> for detailed information on these programs.

## Department Certificate and Certification:

Pre-Law and Paralegal Studies Certificate of Completion Program  
Public Policy and Administration Program Certification

## Graduate Homeland Security concentration:

In conjunction with the Gallaspy Family College of Education and Human Development, the School of Social Sciences and Applied Programs offers the Adult Learning and Development concentration in Homeland Security (545B). Refer to the Gallaspy Family College of Education and Human Development graduate programs section of this catalog for concentration requirements.

## Criminal Justice

**Criminal Justice Major Requirements:** (66 semester hours)  
Students seeking a major in Criminal Justice must complete 66 semester hours within the 120 semester hour Criminal Justice curriculum, which include Criminal Justice 1100, 2300, 2400, 2500, 2600, 2110 or 3040, 2800 or 3090, 3355, 3380, three hours of advanced Criminal Justice (courses at 3000-level), 4200, 4475, 4480, and twelve hours of advanced Criminal Justice (courses at 4000-level); Sociology 1010, 3030 or 3230, 4080, English 3230 or Organizational Leadership 3170, and Political Science 3090.

However, students seeking the Pre-Law and Paralegal Studies Concentration will take PLPS 4020 in lieu of CJ 4200 and PLPS 4090 in lieu of CJ 4480.

### Available Concentration:

**Pre-Law and Paralegal Studies (250B):** (21 semester hours)  
to include 9 semester hours from PLPS 3010, 4020, and 4090, and (12) semester hours of PLPS electives selected from PLPS subject-area electives. PLPS subject-area electives include any other 3000- or 4000-level course as well as CJ 3070. Students must have sophomore status before adding and beginning the requirements for this concentration.

**Criminal Justice Minor Requirements:** (21 semester hours)  
Criminal Justice 1100, 2300, 2400, 2500 and nine semester hours of advanced criminal justice.

**Pre-law and Paralegal Studies Minor Requirements:** (21 semester hours)  
to include 9 semester hours from PLPS 3010, 4020, and 4090, and (12) semester hours of PLPS electives selected from PLPS subject-area electives. PLPS subject-area electives include any other 3000- or 4000-level course as well as CJ 3070. Students must have sophomore status prior to adding and commencing the requirements for this minor. (Two (2) courses are offered each semester.)

- Students enrolled in the Bachelor of Arts degree in Criminal Justice (250) and have successfully completed the requirements set by the Louisiana Police Officer Standards and Training (P.O.S.T.)\* Council for the police academy will be given credit for the following courses once they present their credentials to the University: CJ 1100, 2300, 2500, 2600, 3360.

\*Other states equivalency certificates will be accepted in lieu of the Louisiana P.O.S.T. certificate.

- Criminal Justice majors who have completed the **Land Management Police Training program** through the Federal Law Enforcement Training Center will be given credit for Criminal Justice 2260, 4460, and 4475. Criminal Justice majors who have successfully completed the **Forensic Science: Principles of Investigation course** will be given credit for Criminal Justice 3360, 4460, and 4475. Criminal Justice majors who have successfully completed the **Forensic Science: Principles of Investigation course** will be given credit for Criminal Justice 3360.

## Curriculum for Criminal Justice (250)

| FIRST YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| Criminal Justice 1100, 2300.....    | 6         |
| English 1010, 1020 .....            | 6         |
| Fine Arts 1040 .....                | 3         |
| Mathematics <sup>1</sup> .....      | 6         |
| Natural Sciences <sup>1</sup> ..... | 6         |
| University Studies 1000 .....       | 1         |
| Sociology 1010 .....                | 3         |
|                                     | 31        |

| SECOND YEAR                                          | SEM. HRS. |
|------------------------------------------------------|-----------|
| Criminal Justice 2400, 2500, 2600 .....              | 9         |
| Criminal Justice 2110 or CJ 3040 .....               | 3         |
| English <sup>1</sup> .....                           | 3         |
| English 3230 or Organizational Leadership 3170 ..... | 3         |
| Communication 2500 .....                             | 3         |
| History 2010 or 2020 .....                           | 3         |
| Psychology 1010 .....                                | 3         |
| Natural Sciences <sup>1</sup> .....                  | 3         |
|                                                      | 30        |

| THIRD YEAR                                                          | SEM. HRS. |
|---------------------------------------------------------------------|-----------|
| Criminal Justice 3355, 3380 .....                                   | 6         |
| Criminal Justice 2800 or CJ 3090 .....                              | 3         |
| SOC 3030 or SOC 3230 .....                                          | 3         |
| 3000 level – Advanced Criminal Justice Electives <sup>4</sup> ..... | 3         |
| Political Science 2010, 3090 .....                                  | 6         |
| Electives .....                                                     | 8         |
|                                                                     | 29        |

| FOURTH YEAR                                                         | SEM. HRS. |
|---------------------------------------------------------------------|-----------|
| Criminal Justice 4200 <sup>3</sup> , 4475, 4480 <sup>3</sup> .....  | 9         |
| 4000 level – Advanced Criminal Justice Electives <sup>4</sup> ..... | 12        |
| Sociology 4080 .....                                                | 3         |
| Electives .....                                                     | 6         |
|                                                                     | 30        |

Total Semester Hours for Degree..... 120

### Footnotes:

- <sup>1</sup> Must meet university core requirements.
- <sup>2</sup> Pre-Law and Paralegal Studies concentration students must take PLPS 3010 and an additional 12 hours from PLPS subject-area electives.
- <sup>3</sup> Pre-Law and Paralegal Studies concentration students must take PLPS 4020 in lieu of CJ 4200 and PLPS 4090 in lieu of CJ 4480.
- <sup>4</sup> An advanced Criminal Justice Elective is any Criminal Justice, Unified Public Safety Administration, or Pre-Law and Pre-Legal Services course at the specified level.

## History

**History Major Requirements:** (42 semester hours). Students seeking a major in History must complete 42 semester hours within the 120 hour History curriculum, which include History 1010, 1020, 2010, 2020, 3000, 4000, or 4990 and 24 semester hours of advanced American and European/non-American history courses, twelve of which must be in one field and twelve in the other. Students must also complete UNIV 1000, and an approved minor.

**History Minor Requirements:** (21 semester Hours) History 1010, 1020, 2010, 2020, and nine hours of advanced history.

**American Indian and Indigenous Studies Minor Requirements:** (21 Semester Hours) ANTH 1015 or SOC

1015; ANTH 2015 or SOC 2015 or PLPS 3015; ANTH 3030; ANTH 3035; and 9 additional hours chosen from the following or approved by the American Indian and Indigenous Studies Coordinator: ANTH 3040, ANTH 3060, ANTH 3070, ANTH 3160, ANTH 3200, ANTH 4130, ART 3110 or CJ 3070.

**Black Studies Minor Requirements:** (21 Semester Hours) Anthropology or Sociology 1015, Anthropology or Sociology 2015, History 3510, and 3520, and 9 additional hours selected from: ANTH 4040, ANTH 4050, ENGL 3800, ENGL 3930, GEOG 3030, HIST 4070, MUS 2000, MUS 3600 or SMUS 3600, and any other courses approved by the program coordinator.

**Creole Studies Minor Requirements:** (21 semester hours) Anthropology or Sociology 1015, Anthropology or Sociology 2015, ANTH 4040, FREN 1010, FREN 1020, HIST 4460, and 3 additional hours selected from: HIST 3040, ENGL 4770, ENGL 4880, ENGL 4873, MUS 2000, SOC 4080, or any other course approved by the program coordinator.

**Political Science Minor Requirements:** (21 semester hours) Political Science 2010, 2020, 2090 plus 12 credit hours of 3000 and/or 4000 level political science classes.

**Social Science Minor Requirements:** (27 semester hours) 27 semester hours in the social sciences, with six semester hours in one field of social sciences and nine semester hours at the 3000 level or above. Social Sciences would include courses in the following disciplines: Addiction Studies, Anthropology, Criminal Justice, Economics, Education, Educational Psychology, Geography, History, Philosophy, Political Science, Psychology, Social Studies, Social Work, Sociology, Special Education, and Unified Public Safety Administration.

## Curriculum for History (261)

| FIRST YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| English 1010, 1020 .....            | 6         |
| Geography 1010 .....                | 3         |
| History 1010, 1020 .....            | 6         |
| Mathematics <sup>1</sup> .....      | 6         |
| Natural Sciences <sup>1</sup> ..... | 6         |
| University Studies 1000 .....       | 1         |
|                                     | 28        |

| SECOND YEAR                           | SEM. HRS. |
|---------------------------------------|-----------|
| Behavioral Science <sup>1</sup> ..... | 3         |
| Elective <sup>2</sup> .....           | 9         |
| English 2110 .....                    | 3         |
| Foreign language <sup>3</sup> .....   | 6         |
| History 2010, 2020 .....              | 6         |
| Natural Sciences <sup>1</sup> .....   | 3         |
|                                       | 30        |

| THIRD YEAR                   | SEM. HRS. |
|------------------------------|-----------|
| Communication 1010 .....     | 3         |
| Electives <sup>2</sup> ..... | 9         |
| Fine Arts 1040 .....         | 3         |
| History 3000 .....           | 3         |
| History electives .....      | 12        |
|                              | 30        |

| FOURTH YEAR                 | SEM. HRS. |
|-----------------------------|-----------|
| History 4000 or 4990 .....  | 3         |
| Elective <sup>2</sup> ..... | 17        |
| History electives .....     | 12        |
|                             | 32        |

Total Semester Hours for Degree ..... 120

### Footnotes:

- <sup>1</sup> Must meet University core requirements.
- <sup>2</sup> The electives must be chosen so as to complete a minor as defined by the department concerned. Students may apply toward the degree a maximum of 27 semester hours in courses offered in the School of Business.
- <sup>3</sup> All six semester hours must be in the same foreign language-1010, 1020.

## Unified Public Safety Administration

**Unified Public Safety Administration Major Requirements:** (48 semester hours) Students seeking a major in Unified Public Safety Administration must complete 48 semester hours within the 120 semester hour Unified Public Safety Administration

curriculum, which include Criminal Justice 4475, English 3230, SOC 3030, 4080 (SOWK 4450 may be taken in lieu of SOC 4080), Unified Public Safety Administration 2100, 2400, 2550, 2700, 3000, 3600, 3700, 4100, 4200 (CJ 4200 may be taken in lieu of UPSA 4200), 4400, 4480, 4700.

Unified Public Safety Administration majors who have successfully completed the **Forensic Science: Principles of Investigation course** will be given credit for Criminal Justice 3360.

**Unified Public Safety Administration Minor Requirements:** (21 semester hours) Unified Public Safety Administration 1500, 2100, 2400, 2700, and nine semester hours of advisor approved advanced Unified Public Safety Administration courses.

#### Available Concentrations:

**Law Enforcement Administration (256A):** (20 semester hours) CJ 1100, 2300, 3360; PSCI 3090; and 8 hours of approved electives (CJ 3090, 3355; UPSA 1500, 2500, 2900, 3400, 4000).

- Students enrolled in the Bachelor of Science degree in Unified Public Safety Administration, Law Enforcement Administration concentration (256A) and have successfully completed the requirements set by the **Louisiana Police Officer Standards and Training (P.O.S.T.)\* Council for the police academy** will be given credit for the following courses once they present their credentials to the University: CJ 1100, 2300, 2500, 2600 and 3360.

\* Other states equivalency certificates will be accepted in lieu of the Louisiana P.O.S.T. certificate.

**Fire and Emergency Medical Services Administration (256B):** (20 semester hours) UPSA 2250, 2400, 2900, 4300, 4350; and 5 hours of approved electives (UPSA 1500, 2500, 3400, 4000).

- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their **National Registry Emergency Medical Technician - Paramedic (NREMT-P)** will be given credit for the following courses once they present their credentials to the University: CJ 4475, UPSA 2000, 2100, 2250, 2400, 2500, 2700, 2900, 1 hour elective.
- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their **National Emergency Medical Service- Technician (NEMS-T)** will be given credit for the following course once they present their credentials to the University: UPSA 2250.
- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their **Louisiana certifications recognized by the Louisiana Office of the State Fire Marshall (or other state's equivalent) as a Firefighter I and II and Hazardous Materials** will be given credit for the following courses once they present their credentials to the University: UPSA 2250 and 2900.

**Emergency Management Administration (256C):** (20 semester hours) UPSA 1500, 2500, 2900, 3400; and 8 hours of approved electives (CJ 2300, 3360; PSCI 3090; UPSA 2250, 2900, 4000, 4300, 4350).

- Students enrolled in the Emergency Management Administration concentration (256C) and hold the **Louisiana Emergency Manager Technical Credential** will be given credit for the following courses once they present their credentials to the University: UPSA 1500, 2100 and 2700.
- Students enrolled in the Emergency Management Administration concentration (256C) and hold the **Louisiana Emergency Manager Basic Credential** will be given credit for the following courses once they present their credentials to the University: UPSA 1500, 2100, 2550, 2700 and 2900.
- Students enrolled in the Emergency Management Administration concentration (256C) and hold the **Louisiana Emergency Manager Pro Credential** will be given credit for the following courses once they present their credentials to the University: UPSA 1500, 2000, 2100, 2550, 2700, 2900, and 3700.

**Public Facilities Management (256D):** (20 semester hours) BUAD 3250, 3280; MKTG 3230, 4370; MGT 3220; 5 hours of advisor approved elective credit.

**Nuclear Surety Management (256E):** (20 semester hours) PSCI 3060, 3090, 4080, 4090; HIST 3240, 4980: Special Topics (Section 06); 2 hours of advisor approved elective credit.

**Geo Computation (256F):** (20 semester hours) BUAD 1800, 3250; MKGT 3230; MATH 1090, 2050; PLPS 3060; 2 hours advisor approved elective credit. Students entering this concentration will possess a technical degree in civil surveying and mapping or equivalent.

#### Curriculum for Unified Public Safety Administration (256)

| FIRST YEAR                                                 | SEM. HRS. |
|------------------------------------------------------------|-----------|
| English 1010, 1020.....                                    | 6         |
| Mathematics <sup>1</sup> .....                             | 6         |
| Natural Sciences <sup>1</sup> .....                        | 6         |
| University Studies 1000.....                               | 1         |
| Sociology 1010.....                                        | 3         |
| Unified Public Safety Administration 2400, 2550, 2700..... | 9         |
|                                                            | 31        |

| SECOND YEAR                                                   | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Communication 1010 or 2500 .....                              | 3         |
| English 2110.....                                             | 3         |
| Fine Arts 1040.....                                           | 3         |
| Unified Public Safety Administration 2100.....                | 3         |
| Elective.....                                                 | 3         |
| Psychology 1010 .....                                         | 3         |
| Natural Sciences <sup>1</sup> .....                           | 3         |
| Unified Public Safety Administration concentration area ..... | 9         |
|                                                               | 30        |

| THIRD YEAR                                                    | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Criminal Justice 4475 .....                                   | 3         |
| Economics 2000 or Business Administration 1040.....           | 3         |
| Electives.....                                                | 6         |
| English 3230 or Organizational Leadership 3170 .....          | 3         |
| Unified Public Safety Administration 3000, 3600, 3700.....    | 9         |
| Unified Public Safety Administration 4200 (or CJ 4200).....   | 3         |
| Unified Public Safety Administration concentration area ..... | 3         |
|                                                               | 30        |

| FOURTH YEAR                                                      | SEM. HRS. |
|------------------------------------------------------------------|-----------|
| Sociology 3030, 4080 (or Social Work 4450).....                  | 6         |
| Unified Public Safety Administration 4100, 4400, 4480, 4700..... | 12        |
| Unified Public Safety Administration concentration area .....    | 8         |
| Elective.....                                                    | 3         |
|                                                                  | 29        |

Total Semester Hours for Degree ..... 120

Footnote:

<sup>1</sup> Must meet university core requirements.

#### Pre-Law and Paralegal Studies Certificate of Completion Program

The NSU Pre-Law and Paralegal Studies Program, offered through the School of Social Sciences and Applied Programs, is an eight-course, 24-hour course of study designed to be completed in two years. Students may enroll at the beginning 2of any semester and follow the course rotation from that point. Courses should be taken in order. Meet with your advisor for registration each semester. The courses are taught by attorneys and will prepare the students to work in most legal venues. Enrollment is open to anyone with a high school diploma. ACT scores are not necessary.

#### Public Policy and Administration Certification Program

The NSU Public Policy and Administration Certification, offered through the School of Social Sciences and Applied Programs is a six course, 18-hour course of study designed to be completed in one year. Students may enroll at the beginning of their sophomore year and the courses need not be taken in order. A "C" or better average, in all six courses, is required to complete the certificate.

The courses are taught online and traditional lecture, and will prepare students to become leaders in government and corporate public service sectors. Requirements: ECON 2010, PSCI 2020, PSCI 3060, SOWK 4350, UPSA 3000, and UPSA 4400.

## Graduate Program

### Master of Science Program in: Homeland Security (579)

Degree requirements: Minimum of 36 hours for non-thesis (coursework only), option A and 30 hours for PIL/thesis, option B.

- A. Foundation (both options) (21 semester hours): HS 5000, 5050, 5150, 5200, 5350, 5500, 5600.
- B. Option Specific Courses (0-6 semester hours):  
Option A – non-thesis (6 semester hours): HS 5300, 5700.  
Option B – PIL/thesis (0 semester hours)
- C. Electives (6 semester hours): (non-thesis): select 6 semester hours of electives from HS 5100, 5300, 5400, 5550, 5650, 5750, 5800.  
(PIL/thesis): select 6 semester hours of electives from HS 5100, 5300, 5400, 5550, 5650, 5700, 5750 or 5800.
- D. Application Area (3 semester hours): (non-thesis): HS 5850. (PIL/thesis): HS 5900.

### Accelerated Bachelor of Arts in Criminal Justice (250) and a Master of Science in Homeland Security (579)

**Application.** Applicants to the accelerated BA/MS program in Criminal Justice (BA) and Homeland Security (MS) will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Must be a student in the School of Social Sciences and Applied Programs majoring in CJ;
- Junior standing;
- Apply and be accepted to Graduate School;
- Undergraduate GPA of 3.2 or higher;
- Three letters of recommendation;
- Statement of Purpose – Serves as a writing sample and includes the applicant's reason for applying and preparation for the program; strengths and experiences that are relevant; and how the program can help the applicant realize expectations and goals;
- Resume or CV.

Students must complete all Northwestern State University common core curriculum requirements as well as the degree requirements for the Bachelor of Arts in Criminal Justice per the 121 credit hours reflected below.

Students in the accelerated degree program must complete the requirements on the M.S. in Homeland Security. They must complete a thesis or paper-in-lieu by completing HS 5900.

Students in the accelerated program are awarded both the B.A. and M.S. degrees upon completion of all the program's requirements.

| FIRST YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| Criminal Justice 1100 .....         | 3         |
| Electives .....                     | 3         |
| English 1010,1020 .....             | 6         |
| Fine Arts 1040.....                 | 3         |
| Mathematics <sup>1</sup> .....      | 6         |
| University Studies 1000 .....       | 1         |
| Natural Sciences <sup>1</sup> ..... | 6         |
| Sociology 1010.....                 | 3         |
|                                     | <u>31</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Criminal Justice 2300, 2400, 2500, 2600 ..... | 12        |
| Electives .....                               | 3         |
| English 2110 or 2070.....                     | 3         |
| Political Science 2010.....                   | 3         |
| Psychology 1010 .....                         | 3         |
| Natural Sciences <sup>1</sup> .....           | 3         |
|                                               | <u>27</u> |

| THIRD YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| Criminal Justice 3040, 3090, 3355, 3360, 3380 ..... | 15        |
| English 3230.....                                   | 3         |
| History 2010 or 2020 .....                          | 3         |
| Psychology 2450 .....                               | 3         |
| Criminal Justice 4250, 4450 .....                   | 6         |
|                                                     | <u>30</u> |

| FOURTH YEAR                                                        | SEM. HRS. |
|--------------------------------------------------------------------|-----------|
| Criminal Justice 4500, 4460, 4480.....                             | 9         |
| Communication 2500 .....                                           | 3         |
| Political Science 3090.....                                        | 3         |
| Sociology 4080.....                                                | 3         |
| Criminal Justice 4200.....                                         | 3         |
| Homeland Security 5000 (Will satisfy the CJ 4475 requirement)..... | 3         |
| HS 5050 <sup>2</sup> , 5150 <sup>2</sup> , 5350.....               | 9         |
|                                                                    | <u>33</u> |

| FIFTH YEAR                                                     | SEM. HRS. |
|----------------------------------------------------------------|-----------|
| HS 5200, 5500, 5600 .....                                      | 9         |
| 2 from HS 5100, 5300, 5400, 5550, 5650, 5700, 5750, 5800 ..... | 6         |
| HS 5900.....                                                   | 6         |
|                                                                | <u>21</u> |

Total Semester Hours for Criminal Justice Degree = 121  
Total Semester Hours for Homeland Security Degree = 33  
Total Semester Hours = 142

#### Footnotes:

<sup>1</sup> Must meet University core requirements.

<sup>2</sup> Courses are applied as electives to the B.A. and required for the M.S.

### Accelerated Bachelor of Arts in Liberal Arts with a Concentration in Philosophy, Politics, and Economics (820G) and Master of Science in Homeland Security (579)

The combined B.A. in Liberal Arts and M.S. in Homeland Security program offers qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. After completing all the requirements of the program, the student will be awarded both the B.A. and M.S. Complete curriculum and admission requirements are found within the Louisiana Scholars' College chapter.

# DEPARTMENT OF ENGLISH, LANGUAGES, AND CULTURAL STUDIES

313 Alost Hall  
318-357-6272  
languages@nsula.edu

**Department Head:** Thomas Reynolds, *Professor*

*Professors Emeritus:* Julie Kane, Helaine D. Razovsky

*Professors:* McFarland, Rasmussen

*Associate Professors:* Briseño, Enoch, Forkner, Jarvis, Macijeski, Mischler, Rittmayer

*Assistant Professors:* Doolan, Gordy

*Instructors:* Culver, El Nahhas, Hamilton, Jenkins, Masson, Montgomery, Salter Dromm, Shelton, Wilson, Zbitkovskis

## Mission of the Department of English, Languages, and Cultural Studies

As scholars, students, and teachers, we strive to be engaged, compassionate, curious learners and to engender the same passion in every student we teach. The critical study of texts, languages, and textual production is vital for our development as critical thinkers, effective communicators, and thoughtful community members. As a department, we offer these interdisciplinary experiences in diverse but complementary areas of study.

## Degree Programs Available Through the Department of English, Languages, and Cultural Studies

Bachelor of Arts program in: English, with concentrations in creative writing, film studies, folklife/southern culture, literature, and professional writing

Master of Arts program in: English, with concentrations in composition and rhetoric, creative writing, folklife/southern culture, generalist, literature, and teaching English to speakers of other languages

## Certificate Programs offered through the Department of English, Languages, and Cultural Studies

Undergraduate Certificate (UC) in:

Second Language Teaching

Graduate Certificate (GC) in:

Teaching English to Speakers of Other Languages (TESOL)

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above certificate programs. Refer to the Department of English, Languages, and Cultural Studies web page at <https://www.nsula.edu/english/> for detailed information on these programs.

## English

**English Major Requirements:** (60 semester hours) A student majoring in English will successfully complete 60 semester hours, within the 120 semester hour English curriculum, which include a 9 semester hour English core, 12 semester hours of foreign language coursework, and a 39 semester hour concentration. **A minimum grade of “C” is required in all English courses.**

**Core:** (9 semester hours) English 2070, 4800, 4810.

**Foreign Language:** (12 semester hours) All twelve semester hours must be in the same foreign language – either French or Spanish 1010, 1020, 2010, and 2020.

**Concentration:** (39 semester hours as defined below).

**Available Concentrations:** (39 semester hours each)

**Literature (221A):** English 3100, 3150, 3160, and 3170; ENGL 4420; three hours of Diverse Voices Electives from ENGL 2700, 3710, 3720, 3730, 3800, 3840, 3910, 3920, 3930, 4230, 4440, 4873, 4950, 4960, or 4970; six hours of coursework in Literature before 1800 from ENGL 4130, 4140, 4170, 4190, 4200, 4250, 4260, 4350, or 4570; six hours of coursework in Literature after 1800 from ENGL 3010, 3710, 3720, 3730, 3800, 3850-14, 3910, 3920, 3930, 4240, 4310, 4360, 4450, 4460, 4650, 4690, 4950, or 4960; and nine hours of advanced English courses (courses numbered 3000 or 4000).

**Professional Writing (221B):** English 2510, 2610, 3190, 3210, 3230, and 3610; ENGL 3200 or 4110; ENGL 4040 or 4790; six hours from English 4620, 4630, 4640, or 4680; and nine hours of advanced English courses (courses numbered 3000 or 4000).

**Folklife/Southern Culture (221C):** English 4670 and 4650; 18 hours in literature of the American South and Folklore from ENGL 4240, 4320, 4340, 4460, 4690, 4770, 4790, 4870, 4873, or 4880; and 15 hours of advanced English courses (courses numbered 3000 or 4000).

**Film Studies (221D):** English 3500, 3510, 3520, 3610, and 4340; 15 hours in film and film studies from ENGL 3530, 3540, 4370, 4710, 4870, 4910, 4950, 4960, 4970, or 4980; and nine hours of advanced English courses (courses numbered 3000 or 4000).

**Creative Writing (221E):** English 2120, 3050, 3080, 3180, and 4080; six hours from ENGL 4060, 4070, or 4090; six hours of Diverse Voices Electives from ENGL 2700, 3710, 3720, 3730, 3800, 3840, 3910, 3920, 4230, 4440, 4873, 4950, 4960, or 4970; and 12 hours of advanced ENGL courses (courses numbered 3000 or 4000).

**Creative Writing Minor Requirements:** (21 semester hours) English 1020, 2070 or 2110, 2120; six hours of Creative Writing workshops chosen from ENGL 3050, 3080, 3180, 3540; six hours of upper-level creative writing electives from ENGL 3030, 3050, 3060, 3080, 3180, 3360, 3370, 3540, 3940, 4060, 4070, 4080, 4090, 4370, or 4440.

**English Minor Requirements:** (24 semester hours) English 1010 and 1020; 2070 or 2110; 3 hours of sophomore level ENGL courses (courses numbered 2000), and 12 hours of advanced ENGL courses (courses numbered 3000 or 4000).

**Gender and Sexuality Studies Minor Requirements:** (21 semester hours) ENGL 2700 or SLSC 2000-01; PSYC 2250; ANTH 3050; SOWK 4240; and six hours from ENGL 4160, 4420, 4970, HED 1090, 4500, SENG 3840-05, 3860-06, SLSC 2000-09, or as approved by the program coordinator.

**French Minor Requirements:** (18 semester hours) Take either 12 hours from French 1010, 1020, 2010, and 2020 or 12 hours from Scholars' French 1810, 2810, and 2820; and six hours from FREN at the 3000 or 4000-level or SFRE at the 2000 or 3000-level.

**Spanish for Healthcare Minor Requirements:** (18 semester hours) Spanish 1015, 1025, 2010, 2020, 3085, and three hours from SPAN at the 2000, 3000, or 4000 level.

**Spanish Minor Requirements:** (18 semester hours) Take either 12 hours from Spanish 1010 or 1015, 1020 or 1025, 2010, and 2020 or 12 hours from Scholars' Spanish 1810, 2810, and 2820; and six hours from SPAN at 2000, 3000, or 4000-level or SSPN at 2000 or 3000-level.

## Curriculum for English (221)

| FIRST YEAR                          | SEM. HRS. |
|-------------------------------------|-----------|
| Communication <sup>1</sup> .....    | 3         |
| English 1010, 1020.....             | 6         |
| Foreign language <sup>2</sup> ..... | 6         |
| History <sup>1</sup> .....          | 3         |
| Mathematics <sup>1</sup> .....      | 6         |
| Natural Sciences <sup>1</sup> ..... | 6         |
| University Studies 1000.....        | 1         |
|                                     | <u>31</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Electives <sup>3</sup> .....                  | 3         |
| English 2070.....                             | 3         |
| English concentration.....                    | 6         |
| Fine Arts 1040.....                           | 3         |
| Foreign language <sup>2</sup> .....           | 6         |
| Natural Sciences <sup>1</sup> .....           | 3         |
| Social/behavioral sciences <sup>1</sup> ..... | 6         |
|                                               | <u>30</u> |

| THIRD YEAR                   | SEM. HRS. |
|------------------------------|-----------|
| Electives <sup>3</sup> ..... | 9         |
| English concentration.....   | 21        |
|                              | <u>30</u> |

| FOURTH YEAR                  | SEM. HRS. |
|------------------------------|-----------|
| Electives <sup>3</sup> ..... | 11        |
| English 4800, 4810.....      | 6         |
| English concentration.....   | 12        |
|                              | <u>29</u> |

Total Semester Hours for Degree..... 120

### Footnotes

<sup>1</sup> Refer to University core requirements.

<sup>2</sup> All twelve semester hours must be in the same foreign language—1010, 1020, 2010, and 2020.

<sup>3</sup> Electives may be chosen to complete a minor as defined by the dept concerned.

## Graduate Program

### Master of Arts Program in: English (529)

#### Admission Requirements for the M.A. in English program

Successful applicants to the M.A. in English program, in addition to fulfilling admission criteria and requirements established by the Graduate School, generally have an undergraduate GPA of 3.0 or higher. Applicants also must submit the following:

- a writing sample of 10-15 pages demonstrating facility in analysis, argument, research, citation, and coherence (Work from a past course is recommended, although that is not required. The writing need not be from an English course: We prefer writing samples that demonstrate sophisticated use of sources and analyses to English- specific essays, particularly from applicants who did not do extensive upper-level coursework in English);

- a letter of intent of about 500 words describing career goals and rationale for pursuing graduate study in English (This statement should demonstrate a substantial and specific commitment to graduate study, and discussion of specific research interests is recommended); and
- two letters of recommendation from people who have supervised the applicant in an academic or similar setting.

#### International Applicants

The Graduate School requires TOEFL scores for international applicants; the Department of English, Languages, and Cultural Studies will consider an IELTS score of 6.0 in lieu of the TOEFL.

#### Degree Requirements

Students in the M.A. in English program must fulfill the requirements outlined below (30 hours):

- Required Courses:** Students must successfully complete ENGL 5800 and 5280 (6 hours).
- Concentration:** Students must successfully complete the requirements for one of the concentrations listed under areas of study (18 hours).
- Completion Project:** Students complete ENGL 6950 in which they prepare one research report, identified by the graduate school as a paper-in-lieu of thesis. The project may be critical, creative, or practical, as appropriate to their concentration and should be article- or chapbook-length or the equivalent. Students must submit the Master's capstone research report, once approved by their major professor, to the Graduate School prior to graduation.

#### Available Concentrations

Students in the M.A. in English program will select one of the following concentrations (30 hours each):

- Literature (529B):** Students in the Literature concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - 18 hours in literature or related courses from the following: ENGL 5250 (subtitles 01-03), 5300 (subtitles 01-04), 5350 (subtitles 01-04), 5360, 5400 (subtitles 01-05), 5450 (subtitles 01-06), 5500, 5560, 5570, 5590, 5710, 5900<sup>1</sup>, 5920<sup>2</sup>, 6010, 6030, 6100 (subtitle 01), 6110 (subtitles 01-04), 6120 (subtitles 01-04), 6200, 6230, 6300 (subtitles 01-02), 6310, or 6373;
  - 3 additional hours of any graduate level ENGL course; and;
  - 3 hours of 6950.
- Folklife/Southern Culture (529C):** Students in the Folklife/Southern Culture concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - 3 hours from ENGL 5580 or 6480;
  - 3 hours from ENGL 5590 or 6310;
  - 12 additional hours in folklore, Southern literature, American literature, linguistics, and grant writing from the following: ENGL 5320, 5340, 5350, 5360, 5400, 5450, 5560, 5570, 5580, 5590, 5600, 5710, 5720, 5721, 5870, 5900<sup>1</sup>, 6200, 6230, 6310, 6373, 6470, 6480, 6600, or 6890;
  - 3 additional hours of any graduate level ENGL course; and
  - 3 hours of 6950.

3. **Teaching English to Speakers of Other Languages (TESOL) (529E):** Students in the TESOL concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - ENGL 5240, 6610, and 6640;
  - 6 hours of TESOL and linguistics courses from the following: ENGL 5040, 5050, 5060, 5280, 5540, 5900<sup>1</sup>, 5920<sup>2</sup>, 6600, 6620, 6650, 6740 or 6890;
  - 6 hours of any graduate level ENGL course; and
  - 3 hours of 6950.
4. **Creative Writing (529F):** Students in the Creative Writing concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - ENGL 6020;
  - 9 hours of creative writing workshops from the following: ENGL 5070, 5550 (subtitles 01-03), 6090, or 6210;
  - 9 hours of any graduate level ENGL course; and
  - 3 hours of 6950.
5. **Generalist (529G):** Students in the Generalist concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - 21 additional hours of any graduate level ENGL course; and
  - 3 hours of 6950.
6. **Composition and Rhetoric (529H):** Students in the Composition and Rhetoric concentration must complete 30 hours as follows:
  - ENGL 5800 and 5280;
  - 15 hours of composition, rhetoric, and writing courses from the following: ENGL 5050, 5060, 5090, 5220, 5230, 5240, 5260, 5270, 5900<sup>1</sup>, 5920<sup>2</sup>, 6530, 6540, 6560, 6880, or 6890;

- 6 additional hours of any graduate level ENGL course; and
- 3 hours of 6950.

#### Footnotes

ENGL 5900: SPECIAL PROBLEMS IN RESEARCH is designed to allow students to pursue guided independent research on topics not covered in course offerings. Topics must be approved by a major professor and the Department Head and must be relevant to the concentration in which it will be applied for credit. Permission of instructor required.

ENGL 5920: ENGLISH INTERNSHIP is designed to allow students the opportunity to intern with an organization connected to their professional goals. Internships must be approved by a major professor and the Department Head and must be relevant to the concentration in which it will be applied for credit. Permission of instructor required.

### Accelerated Bachelor of Arts and Master of Arts Programs:

- Bachelor of Arts in Liberal Arts with a Concentration in Humanities and Social Thought (820B) and Master of Arts in English (529)
- Bachelor of Arts in Liberal Arts with a Concentration in Classical Studies (820H) and Master of Arts in English (529)

The combined B.A. in Liberal Arts and M.A. in English programs offer qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. After completing all the requirements of the program, the student will be awarded both the B.A. and M.A. Complete curriculum and admission requirements are found within the Louisiana Scholars' College chapter.

# COLLEGE OF BUSINESS AND TECHNOLOGY

201 Russell Hall  
318-357-5161  
nsucobt@nsula.edu

**Dean:** Scott Wysong, *Professor*

*Dean Emeritus:* Austin L. Temple, Joel K Worley

## Mission of the College of Business and Technology

College of Business and Technology is dedicated to providing a high quality – market responsive business and technology education, preparing our diverse student population for successful careers and enriched lives in the public, private and nonprofit sectors, and enhancing our students' academic experiences through our research and scholarly activities.

This mission is fulfilled by employing high-impact education practices and student opportunities through exemplary programs, a strategic mix of innovative face-to-face and online delivery courses, and industry and business partnerships. This innovative model helps students achieve the knowledge, critical thinking, research and analytical skills necessary to become contributing members of society and successful business and technology professionals.

## School/Department Within the College of Business and Technology

School of Business

Department of Hospitality Management and Tourism

## Degree Programs Available Through the College of Business and Technology

Bachelor of Science programs in: Accounting; Business Administration with concentrations in: business analytics, entrepreneurship, finance, human resources, international business, management, marketing, pre-law (business); Computer Information Systems with concentrations in application development, information system management, networking and cybersecurity; Hospitality Management and Tourism with concentrations in: culinary arts, hospitality services, travel and tourism

Master of Science program in: Computer Information Systems

## Accreditation

All baccalaureate business programs in the School of Business are accredited by The Association to Advance Collegiate Schools of Business International (AACSB), 777 South Harbour Island Boulevard, Suite 750 Tampa, FL 33602-5730, telephone: (813) 769-6500, <http://www.aacsb.edu>.

The baccalaureate program in Hospitality Management and Tourism is accredited by the Accreditation Commission for Programs in Hospitality Administration, PO Box 400, Oxford, Maryland 21654, telephone number (410) 226-5527, <https://www.acpha-cahm.org>.



# SCHOOL OF BUSINESS

201 Russell Hall  
318-357-5162  
business@nsula.edu

**Director, School of Business:** Curtis Penrod, *Associate Professor*

**Charles Ragus Family Endowed Chair:** Heidy McWhorter Mongeon

**Coordinator of Accounting:** Melissa Aldredge, *Associate Professor*

**Coordinator of Business Administration:** Qwontice McDowell, *Associate Professor*

**Coordinator of Computer Information Systems:** Sarah Wright, *Professor*

*Professor Emeritus:* Walter H. Creighton

*Professors:* E. Horton, M. Jones, Parker, Perez-Mira

*Associate Professors:* Liao, Miranda, Powell, Prejean, Smith, Stacy D. Upshaw

*Assistant Professors:* Fair, Njeri, Witman

*Instructors:* DuBois, Fauchaux, D. Horton, Moran, A. Upshaw

## Mission of the School of Business

The mission of the School of Business is to provide our diverse student population with a business education that prepares them for successful careers and responsible citizenship roles in the world of business.

## Degree Programs Available Through the School of Business

Bachelor of Science programs in: Accounting; Business Administration with concentrations in: business analytics, entrepreneurship, finance, human resources, international business, management, marketing, and pre-law (business); Computer Information Systems with concentrations in application development, information systems management, networking and cybersecurity.

Master of Science program in: Computer Information Systems

## Accreditation

All baccalaureate business programs are accredited by The Association to Advance Collegiate Schools of Business International (AACSB), 777 South Harbour Island Boulevard, Suite 750 Tampa, FL 33602-5730, telephone: (813) 769-6500, <http://www.aacsb.edu>.

## Entrance Requirements for Four-Year Programs

To be admitted to a four-year program in the School of Business, a student must complete all courses listed in the first year of the curriculum with a grade point average of at least 2.0. In addition, a student must demonstrate computer literacy. Computer literacy may be demonstrated by completing BUAD 1800, or successful completion of a challenge exam. No 3000 or 4000 level courses in the School of Business may be taken by business majors until these requirements are met. At least 50% of business credit hours required for baccalaureate degrees in the School of Business must be earned at Northwestern State University.

## Criteria for Progression in the Bachelor Degree Programs:

(1) Complete pre- and co-requisites for courses included in the degree programs; and (2) Earn a cumulative grade point average of 2.0 or above.

## Course Credit for Certifications

A student will be awarded a grade of “CR” in certain classes if they can provide a copy of the certification being used by the School of Business or a past version of the certification being used by the School of Business with required continuing

education credits to keep the certification valid. The student will provide these certificates to the Coordinator of Computer Information Systems who will be responsible for maintaining those copies as well as letting the Registrar’s Office know of the credit to be awarded. The classes and their associated certifications are as follows:

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| BUAD 1800 | Microsoft Office Specialist in Word                                              |
| CIS 1015  | CompTIA Tech+                                                                    |
| CIS 1060  | IC3 Living Online                                                                |
| CIS 1090  | Microsoft Office Specialist in Word AND Microsoft Office Specialist in Excel     |
| CIS 2000  | Microsoft Office Specialist in Excel                                             |
| CIS 2080  | CompTIA A+ OR Passage of Core 2 of the CompTIA A+                                |
| CIS 2090  | CompTIA A+ OR Passage of Core 1 of the CompTIA A+                                |
| CIS 2210  | AWS Certified Cloud Practitioner                                                 |
| CIS 3400  | CompTIA Net+                                                                     |
| CIS 3700  | CompTIA Server+                                                                  |
| CIS 3800  | CompTIA Linux+                                                                   |
| CIS 3980  | CompTIA Security+ or CISSP (Certified Information Systems Security Professional) |
| CIS 4080  | CompTIA Cloud+                                                                   |
| CIS 4220  | Cisco CCNA                                                                       |
| CIS 4230  | Cisco CCNA                                                                       |
| CIS 4840  | Certified Associate in Project Management (CAPM)                                 |
| CIS 4850  | CompTIA Project+                                                                 |
| CIS 5450  | Certified Associate in Project Management (CAPM)                                 |
| CIS 5550  | CompTIA Project+                                                                 |

NOTE: While a student may be awarded credit for the above classes, he or she must still complete at least 50% of his or her School of Business classes at Northwestern State University. If awarded a “CR” for these classes, they will not count towards that 50%.

## Accounting

**Accounting Major Requirements:** (75 semester hours) Students seeking a major in Accounting must complete 75 semester hours, within the 120 semester hour Accounting curriculum which includes Accounting 1040, 2000, 2010, 3060, 3080, 3180, 3190, 4020, 4080, 4300, six semester hours of advanced accounting electives; Business Administration 1800, 2120, 2200, 3270; Business Law 2250, 3260; Computer Information Systems 2000, 3100; Finance 3090; Management 3220, 3580, 4300; Marketing 3230.

**Accounting Minor Requirements:** (18 semester hours) Accounting 1040, 2000, 2010, 3080, 3180, three semester hours of advanced accounting electives.

**Computer Information Systems Minor for Accounting Majors:** (18 semester hours) Business Administration 1800; Computer Information Systems 1030, 2000, 2980, 4040, and 4070.

### Curriculum for Accounting (101)

| FIRST YEAR                              | SEM. HRS. |
|-----------------------------------------|-----------|
| Accounting 1040, 2000.....              | 6         |
| Business Administration 1800.....       | 3         |
| Computer Information Systems 2000.....  | 3         |
| English 1010, 1020.....                 | 6         |
| Mathematics 1020, 1060.....             | 6         |
| Natural Sciences <sup>1</sup> .....     | 6         |
| University Studies 1000.....            | 1         |
|                                         | 31        |
| SECOND YEAR                             | SEM. HRS. |
| Accounting 2010, 3180.....              | 6         |
| Business Administration 2120, 2200..... | 6         |
| Communication 1010 or 2500.....         | 3         |
| Economics 2000, 2010.....               | 6         |
| Fine Arts 1040.....                     | 3         |
| Natural Science <sup>1</sup> .....      | 3         |
| Psychology 1010.....                    | 3         |
|                                         | 30        |
| THIRD YEAR                              | SEM. HRS. |
| Accounting 3060, 3080, 3190.....        | 9         |
| Business Law 2250.....                  | 3         |
| Computer Information Systems 3100.....  | 3         |
| English 2110.....                       | 3         |
| Finance 3090.....                       | 3         |
| Management 3220, 3580.....              | 6         |
| Marketing 3230.....                     | 3         |
|                                         | 30        |
| FOURTH YEAR                             | SEM. HRS. |
| Academic or Business Elective.....      | 2         |
| Accounting 4020, 4080, 4300.....        | 9         |
| Advanced Accounting Electives.....      | 6         |
| Business Administration 3270.....       | 3         |
| Business Law 3260.....                  | 3         |
| History 1010, 1020, 2010, or 2020.....  | 3         |
| Management 4300.....                    | 3         |
|                                         | 29        |
| Total Semester Hours for Degree.....    | 120       |

Footnotes:

<sup>1</sup> Refer to University core requirements.

## Business Administration

**Business Administration Major Requirements:** (71 semester hours) Students seeking a major in Business Administration must complete 71 semester hours, within the 120 semester hour Business Administration curriculum which includes Accounting 2000, 2010; Business Administration 1800, 2120, 2200, 3270, 4900; Business Law 2250; Computer Information Systems 2000, 3100; Finance 2150, 3090, and 4200; Management 3220, 3580, 4300, 4320; Marketing 3230;

18 semester hours of advanced business electives.

### Available Concentrations:

**Business Analytics (110M):** (24 semester hours) CIS 1030, 2980, 4000, 4070; Choose 12 hours from ACCT 4220, ACCT 4320, BUAD 3120, BUAD 4910, MGT 3500, MGT 4450, MGT 4460, and MKTG 4440.

**Entrepreneurship (110N):** (24 semester hours) BUAD 4190; Choose 21 hours from BLAW 3260, BUAD 4000 (05), BUAD 4910, CIS 4840, CIS 4930, FIN 4120, FIN 4220, MGT 4450, MGT 4460, MGT 4500, MGT 4700, MKTG 4370, and MKTG 4500.

**Finance (110I):** (23 semester hours) BUAD 4900; FIN 2150, 3090, 3100, 4200; 9 hours of advanced finance electives. BUAD 4910 may count as an advanced finance elective.

**Human Resources (110P):** (24 semester hours) MGT 2500, 3220, 4270, 4280, 4300, 4350, and 4500; 3 hours from BUAD 4910, PSYC 4500, or UPSA 2000.

**International Business (110L):** (26 semester hours) BUAD 3270, 4160, 4900; MGT 4350, 4700; 6 hours of foreign language; 6 hours from BUAD 4000, BUAD 4910, FIN 4050, MGT 4450, MGT 4460, and MKTG 4600.

**Management (110J):** (24 semester hours) MGT 3220, 3580, 4300, 4320, 4500, and 9 hours of advanced management electives. BUAD 4910 may count as an advanced management elective.

**Marketing (110K):** (23 semester hours) BUAD 4900; MKTG 3230; 18 hours of advanced marketing electives. BUAD 4910 may count as an advanced marketing elective.

**Pre-Law (Business) (110Q):** (24 semester hours) BLAW 2250, BLAW 3260, PLPS 4020, PLPS 4090; Choose 9 hours from BLAW 3270, BLAW 3280, BLAW 3290, BLAW 3300, FIN 3150, HMT 4150, MGT 4270, MGT 4280, PLPS 3050, PLPS 3060, and SECO 3850; Choose 3 hours from ANTH 3070, ANTH 3120, BIOL 2990, COMM 2040, CJ 3070, CJ 4450, HP 3000, PSCI 3090, PSCI 4060, SLSC 2000 (Literature and the Law), SOWK 4270, UPSA 4400, and any PLPS 3000 or 4000 level classes.

**Business Administration Minor Requirements:** (non-business majors) (24 semester hours) Accounting 2000, 2010; Business Administration 2200; Management 3220; Marketing 3230; Economics 2000, 2010; three hours of advanced business electives.

### Curriculum for Business Administration (110)

| FIRST YEAR                                    | SEM. HRS. |
|-----------------------------------------------|-----------|
| Academic or Business Elective.....            | 3         |
| Business Administration 1800.....             | 3         |
| Communication 1010 or 2500.....               | 3         |
| Computer Information Systems 2000.....        | 3         |
| English 1010, 1020.....                       | 6         |
| Fine Arts 1040.....                           | 3         |
| Mathematics 1020, 1060.....                   | 6         |
| Psychology 1010.....                          | 3         |
| University Studies 1000.....                  | 1         |
|                                               | 31        |
| SECOND YEAR                                   | SEM. HRS. |
| Accounting 2000, 2010.....                    | 6         |
| Business Administration 2120, 2200.....       | 6         |
| Business Law 2250.....                        | 3         |
| Economics 2000, 2010.....                     | 6         |
| English 2110.....                             | 3         |
| Finance 2150.....                             | 3         |
| Management 3220.....                          | 3         |
|                                               | 30        |
| THIRD YEAR                                    | SEM. HRS. |
| Academic or Business elective.....            | 3         |
| Advanced Business elective <sup>2</sup> ..... | 3         |
| Business Administration 3270.....             | 3         |

|                                         |           |
|-----------------------------------------|-----------|
| Computer Information Systems 3100 ..... | 3         |
| Finance 3090, 4200 .....                | 6         |
| History 1010, 1020, 2010, or 2020 ..... | 3         |
| Management 3580.....                    | 3         |
| Marketing 3230.....                     | 3         |
| Science 1010 <sup>1</sup> .....         | 3         |
|                                         | <u>30</u> |

|                                                                          |                  |
|--------------------------------------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                                                       | <b>SEM. HRS.</b> |
| Advanced Business elective <sup>2</sup> .....                            | 15               |
| Business Administration 4900 .....                                       | 2                |
| Management 4300, 4320 .....                                              | 6                |
| Science 1020 <sup>1</sup> , 2010 <sup>1</sup> or 2020 <sup>1</sup> ..... | 6                |
|                                                                          | <u>29</u>        |

Total Semester Hours for Degree ..... 120

Footnotes:

- <sup>1</sup> Refer to University core requirements.
- <sup>2</sup> An advanced business is any 3000 or 4000 level business administration, business law, accounting, finance, management, marketing, or computer information systems class.

## Computer Information Systems

**Computer Information Systems Major Requirements:** (80 semester hours) Students seeking a major in Computer Information Systems must complete 80 semester hours, within the 120 semester hour Computer Information Systems curriculum consisting of a CIS core, composed of: CIS 1015, 1030, 2980, 3020, 3900, and 4600 and one of the three available 27 hour concentrations described below. Additionally, the following CIS support courses are required: ACCT 2000 and 2010; BLAW 2250 or BLAW 3280; BUAD 2120, 2200, 3270, 4900; CIS 1090; COMM 1010 or COMM 2500; FIN 3090; MGT 3220; and MKTG 3230.

### Available Concentrations:

**Application Development (102A):** (27 semester hours) CIS 3300, 3970, 4000, 4020, 4060, and 4 CIS electives (12 semester hours) from any CIS class except CIS 1010, 1060, 2000, 3050, 3100, and 4050. CSC 1060, 2060, and other CSC classes may also count as CIS electives.

**Information Systems Management (102H):** (27 semester hours) CIS 4840, 4850, 4930; FIN 4220 or FIN 4320; 1 class from CIS 3300, 4000, 4910; 1 class from CIS 4020, 4070, 4900; 1 class from BUAD 3120, CIS 3970, MGT 3580, MGT 4500; and 2 CIS electives (6 semester hours) from any CIS class, except CIS 1010, 1060, 2000, 3050, 3100, and 4050.

**Networking and Cyber Security (102I):** (27 semester hours) CIS 2080, 2090, 3400, 3700, 3800, 3980; 2 classes from CIS 3410, 4040, 4080, 4220, or 4930; and 1 CIS elective from any CIS class except CIS 1010, 1060, 2000, 3050, 3100, and 4050.

**Computer Information Systems Minor Requirements:** CIS 1015; Select one from CIS 1030 or CSC 1060; CIS 2980; Select three from BUAD 4800, CIS 2040, 2050, 2100, 3020, 3300, 3400, 3410, 3700, 3800, 3900, 3970, 3980, 4000, 4030, 4040, 4060, 4070, 4080, 4100, 4220, 4230, 4600; ART 1010, 2560, CSC 2060.

### Curriculum for Computer Information Systems (102)

|                                                     |                  |
|-----------------------------------------------------|------------------|
| <b>FIRST YEAR</b>                                   | <b>SEM. HRS.</b> |
| Computer Information Systems concentration .....    | 3                |
| Computer Information Systems 1015, 1030, 1090 ..... | 9                |
| English 1010, 1020 .....                            | 6                |
| Fine Arts 1040 .....                                | 3                |
| Mathematics 1020, 1060 .....                        | 6                |
| Natural Sciences <sup>1</sup> .....                 | 3                |
| University Studies 1000 .....                       | 1                |
|                                                     | <u>31</u>        |

|                                               |                  |
|-----------------------------------------------|------------------|
| <b>SECOND YEAR</b>                            | <b>SEM. HRS.</b> |
| Business Administration 2120, 2200 .....      | 6                |
| Communication 1010 or 2500 .....              | 3                |
| Computer Information Systems 2980, 3020 ..... | 6                |

|                                                  |           |
|--------------------------------------------------|-----------|
| Computer Information Systems concentration ..... | 6         |
| Economics 2000, 2010 .....                       | 6         |
| Natural Sciences <sup>1</sup> .....              | 3         |
|                                                  | <u>30</u> |

|                                                  |                  |
|--------------------------------------------------|------------------|
| <b>THIRD YEAR</b>                                | <b>SEM. HRS.</b> |
| Accounting 2000, 2010 .....                      | 6                |
| Computer Information Systems concentration ..... | 12               |
| English 2110 .....                               | 3                |
| Management 3220 .....                            | 3                |
| Natural Sciences <sup>1</sup> .....              | 3                |
| Psychology 1010 .....                            | 3                |
|                                                  | <u>30</u>        |

|                                                  |                  |
|--------------------------------------------------|------------------|
| <b>FOURTH YEAR</b>                               | <b>SEM. HRS.</b> |
| Business Administration 3270, 4900 .....         | 5                |
| Business Law 2250 or 3280 .....                  | 3                |
| Computer Information Systems 3900, 4600 .....    | 6                |
| Computer Information Systems concentration ..... | 6                |
| Finance 3090 .....                               | 3                |
| History (1 from 1010, 1020, 2010, 2020) .....    | 3                |
| Marketing 3230 .....                             | 3                |
|                                                  | <u>29</u>        |

Total Semester Hours for Degree ..... 120

Footnote:

<sup>1</sup> See University Core, Natural Sciences Component.

## Graduate Program

### Master of Science Program in Computer Information Systems (597)

#### Admission Requirements of the Program:

- Bachelor's degree from a recognized accredited college/university;
- Official transcripts from all colleges/universities attended;
- Two letters of recommendation;
- Immunization automatically waived;
- One of the following:
  - Minimum Undergraduate GPA of 3.0 (GRE/GMAT/essay waived) OR
  - Minimum Undergraduate GPA of 2.5 and one of the following:
    - GRE Score of 280 (verbal plus quantitative) or equivalent GMAT Score
    - Two to three-page essay on experience in information systems field and why the student is an appropriate fit for the Northwestern State Computer Information Systems program. Format should be Times New Roman, 12-point font, 1-inch margins, and APA style.

For graduate transfer students, admission to the MS in Computer Information Systems program requires the following items:

- Bachelor's degree from a recognized accredited college/university;
- Two letters of recommendation;
- Official transcripts from all colleges/universities attended;
- Nine earned graduate hours with a 3.0 or higher graduate GPA from a recognized accredited higher education institution.

#### Program Requirements:

- Foundations:** (18 semester hours) Computer Information Systems 5100, 5200, 5450, 5550, 5600, and one of 5300 or 5400.
- Electives:** (6 semester hours) Two of Computer Information Systems 5300 (if not taken for Foundations), 5400 (if not taken for Foundations), 5810, 5820, 5830, or 5840.

- C. Application Area: (9 semester hours) Computer Information Systems 5900, 5940, and 5950.

**Accelerated Bachelor of Science in Business Administration (110) and a Master of Science in Computer Information Systems (597)**

**Admission Requirements for the Accelerated B.S. in Business Administration and a M.S. in Computer Information Systems**

Successful applicants to the accelerated B.S. in Business Administration and M.S. in Computer Information Systems will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- Student in the School of Business majoring in Business Administration
- Junior standing
- An undergraduate GPA of 3.2 or higher
- Two letters of recommendation
- Successful completion of BUAD 2120, CIS 1030, and CIS 2980

Students must complete all Northwestern State University common core curriculum requirements as well as the degree requirements for the Bachelor of Science in Business Administration per the 120 credit hours reflected below.

Students in the accelerated degree program must complete the requirements of the M.S. in Computer Information Systems. They must complete a thesis, project, or paper-in-lieu by completing CIS 5950.

Students in the accelerated program are awarded both the B.S. and M.S. degrees upon completion of all the program's requirements.

| <b>FIRST YEAR</b>                                  | <b>SEM.HRS.</b>  |
|----------------------------------------------------|------------------|
| Psychology 1010.....                               | 3                |
| Business Administration 1800 .....                 | 3                |
| English 1010 .....                                 | 3                |
| Fine Arts 1040 .....                               | 3                |
| Math 1020.....                                     | 3                |
| University 1000.....                               | 1                |
| Computer Information Systems 2000.....             | 3                |
| Natural Sciences <sup>1</sup> .....                | 3                |
| Communication 1010.....                            | 3                |
| English 1020 .....                                 | 3                |
| Math 1060.....                                     | 3                |
|                                                    | <b>31</b>        |
| <b>SECOND YEAR</b>                                 | <b>SEM. HRS.</b> |
| English 2110 .....                                 | 3                |
| Management 3220.....                               | 3                |
| Accounting 2000, 2010 .....                        | 6                |
| Business Administration 2120, 2200.....            | 6                |
| Business Law 2250 .....                            | 3                |
| Finance 2150.....                                  | 3                |
| Economics 2000, 2010.....                          | 6                |
|                                                    | <b>30</b>        |
| <b>THIRD YEAR</b>                                  | <b>SEM. HRS.</b> |
| Business Administration 3270 .....                 | 3                |
| Computer Information Systems 1030, 2980, 3100..... | 9                |
| Management 3580.....                               | 3                |
| Natural Sciences <sup>1</sup> .....                | 3                |
| Finance 3090, 4200.....                            | 6                |
| Marketing 3230.....                                | 3                |
| History (1 from 1010, 1020, 2010, 2020).....       | 3                |
|                                                    | <b>30</b>        |

| <b>FOURTH YEAR</b>                                                    | <b>SEM. HRS.</b> |
|-----------------------------------------------------------------------|------------------|
| Natural Sciences <sup>1</sup> .....                                   | 3                |
| Business Administration 4900 .....                                    | 2                |
| Management 4300, 4320.....                                            | 6                |
| Advanced Business Electives (MS in CIS).....                          | 15*              |
| Advanced Business Electives.....                                      | 3                |
|                                                                       | <b>29</b>        |
| <b>FIFTH YEAR</b>                                                     | <b>SEM. HRS.</b> |
| Computer Information Systems 5100, 5200, 5300, 5600, 5940, 5950 ..... | 18               |
|                                                                       | <b>18</b>        |

Total Semester Hours for BS CIS Degree = 120

Total Semester Hours for MS CIS Degree = 33

Total Semester Hours = 138

**Footnotes:**

<sup>1</sup> Must meet university core requirements.

\*CIS classes required in this block

a. CIS 5450, CIS 5550, CIS 5900

b. Two of the following: CIS 5810, CIS 5820, CIS 5830, or 5840

**Accelerated Bachelor of Science in Computer Information Systems (102) and a Master of Science in Computer information Systems (597)**

Students must complete all Northwestern State University common core curriculum requirements as well as the degree requirements for the Bachelor of Science in Computer Information Systems per the 120 credit hours reflected below. Students in the accelerated degree program must complete the requirements of the M.S. in Computer Information Systems. They must complete a thesis or paper-in-lieu by completing CIS 5950.

Students in the accelerated program are awarded both the B.S. and M.S. degrees upon completion of all the program's requirements.

| <b>FIRST YEAR</b>                                   | <b>SEM. HRS.</b> |
|-----------------------------------------------------|------------------|
| Communications 1010 or 2500.....                    | 3                |
| Computer Information Systems 1015, 1030, 1090 ..... | 9                |
| English 1010, 1020.....                             | 6                |
| Fine Arts 1040.....                                 | 3                |
| Mathematics 1020, 1060.....                         | 6                |
| Natural Sciences <sup>1</sup> .....                 | 3                |
| University Studies 1000 .....                       | 1                |
|                                                     | <b>31</b>        |
| <b>SECOND YEAR</b>                                  | <b>SEM. HRS.</b> |
| Accounting 2000 .....                               | 3                |
| Business Administration 2120, 2200.....             | 6                |
| Computer Information Systems 2980, 3020 .....       | 6                |
| Computer Information Systems Concentration.....     | 6                |
| Economics 2000, 2010.....                           | 6                |
| Natural Sciences <sup>1</sup> .....                 | 3                |
|                                                     | <b>30</b>        |
| <b>THIRD YEAR</b>                                   | <b>SEM. HRS.</b> |
| Accounting 2010 .....                               | 3                |
| Business Administration 3270.....                   | 3                |
| Computer Information Systems Concentration.....     | 6                |
| English 2110.....                                   | 3                |
| Management 3220 .....                               | 3                |
| Natural Sciences <sup>1</sup> .....                 | 3g               |
| Psychology 1010 .....                               | 3                |
| Finance 3090 .....                                  | 3                |
| Business Administration 4900.....                   | 2                |
| History (1 from 1010, 1020, 2010, 2020).....        | 3                |
|                                                     | <b>32</b>        |

| FOURTH YEAR                                                   | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Business Law 2250 or 3280.....                                | 3         |
| Computer Information Systems 3900, 4600 .....                 | 6         |
| Computer Information Systems Concentration <sup>3</sup> ..... | 15        |
| Marketing 3230 .....                                          | 3         |
|                                                               | <u>27</u> |

| FIFTH YEAR                                                           | SEM. HRS.    |
|----------------------------------------------------------------------|--------------|
| CIS 5300 or CIS 5400 .....                                           | 3            |
| CIS 5100, CIS 5900, CIS 5950.....                                    | 9            |
| CIS Electives (2 from CIS 5810, 5820, 5830, 5840 if not taken) ..... | 6            |
| CIS 5200 and CIS 5600 <sup>2</sup> .....                             | 0-6          |
|                                                                      | <u>18-24</u> |

Total Semester Hours for BS CIS Degree = 120

Total Semester Hours for MS CIS Degree = 33

Total Semester Hours= 138/144

Footnotes:

- <sup>1</sup> Must meet university core requirements.
- <sup>2</sup> Networking & Cybersecurity concentration only.
- <sup>3</sup> MS classes required in this block depend on concentration.

### **Accelerated Bachelor of Arts in Liberal Arts with Concentration in Scientific Inquiry (820A) and Master of Science in Computer Information Systems (597)**

The combined B.A. in Liberal Arts and M.S. in CIS program offers qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. After completing all the requirements of the program, the student will be awarded both the B.A. and M.S. Complete curriculum and admission requirements are found within the Louisiana Scholars' College chapter.

# DEPARTMENT OF HOSPITALITY MANAGEMENT AND TOURISM

132 Family and Consumer Sciences Building  
318-357-5587  
hmt@nsula.edu

**Coordinator:** Valerie Salter, *Associate Professor*

*Department Head Emerita:* Patricia N. Pierson

*Assistant Professors:* Bratt, Marsh

*Instructors:* Haire

## Mission of the Hospitality Management and Tourism

The mission of Hospitality Management and Tourism at Northwestern State University is to foster a student-centered learning environment that empowers individuals and prepares them to be successful industry professionals and lead enriched lives by providing relevant coursework, experiential learning, and service-based involvement throughout the entirety of the degree program.

## Degree Program Available Through the Department of Hospitality Management and Tourism

Bachelor of Science program in: Hospitality Management and tourism with concentrations in: culinary arts, event management, hospitality services, travel and tourism.

### Accreditation

The baccalaureate program in Hospitality Management and Tourism is accredited by the Accreditation Commission for Programs in Hospitality Administration, PO Box 400, Oxford, Maryland 21654, telephone number (410) 226-5527, <https://www.acpha-cahm.org>.

## Hospitality Management and Tourism

**Hospitality Management and Tourism Major Requirements:** (59 semester hours) Students seeking a major in Hospitality Management and Tourism must complete 59 semester hours, within the 120 semester hour Hospitality Management and Tourism curriculum, which includes Culinary Arts 2010 and Hospitality Management and Tourism 1000, 1050, 2010, 2400, 3050, 4030, 4150, 4200, 4500. Completion of a Hospitality Management and Tourism concentration area (24 hours). Special requirements: Completion of an approved minor.

### Available Concentrations:

**Culinary Arts (135D):** (24 semester hours) Culinary Arts 2050, 3070, 3080, 3100, 3200, 3250, 4000; Hospitality Management and Tourism 3020.

**Event Management (135E):** (24 semester hours) Event Management 1000, 2000, 2050, 3000; Marketing 2200 or 3230 or 3300 or 3820; Hospitality Management and Tourism 4250, 4110 or 4300; Unified Public Safety Administration 4700.

**Hospitality Services (135A):** (24 semester hours) Hospitality Management and Tourism 3000, 3020, 3080, and one from Hospitality Management and Tourism 4100, 4250, or 4260. Support areas: Culinary Arts 2050, 3070; choose two from Culinary Arts, Hospitality Management and Tourism, or upper level Business Administration, Marketing, or Management electives.

**Travel & Tourism (135C):** (24 semester hours) Hospitality Management and Tourism 2150, 3000, 3120, 3140; Hospitality Management and Tourism 3150 or 4260; Hospitality Management and Tourism 4100 or 4250.

Support areas: Six semester hours from Hospitality Management and Tourism electives, History electives, or Culinary Arts electives.

**Hospitality Management and Tourism Minor Requirements:** (21 semester hours) Hospitality Management and Tourism 1000, 3000 or 3020, 4200 or 4150, and 12 hours of Hospitality Management and Tourism electives, six of which must be at the 3000-4000 level. May include one 3 hour Culinary Arts elective.

**Culinary Arts Minor Requirements:** (21 semester hours) HMT 2010, 3020; CULA 2010, 2050, 3080, 3100, 3200; 3 hours CULA 3070, 3250, or 4000.

**Event Management Minor:** (21 semester hours) EVNT 1000, 2000, 2050, 3000; HMT 4250; HMT 4110 or HMT 4300; 3 hours MKTG 2200, 3230, 3300, 3820, or UPSA 4700.

## Curriculum for Hospitality Management and Tourism (135)

| FIRST YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Communication 1010.....                                | 3         |
| English 1010, 1020.....                                | 6         |
| Fine Arts 1040.....                                    | 3         |
| Hospitality Management & Tourism 1000, 1050, 2010..... | 7         |
| Mathematics <sup>1</sup> .....                         | 6         |
| Natural Sciences <sup>1</sup> .....                    | 3         |
| University Studies 1000.....                           | 1         |
|                                                        | <hr/> 29  |

| SECOND YEAR                                                            | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Culinary Arts 2010.....                                                | 2         |
| Electives <sup>3</sup> .....                                           | 6         |
| English 2110.....                                                      | 3         |
| History 2010 or 2020.....                                              | 3         |
| Hospitality Management & Tourism 2400.....                             | 2         |
| Hospitality Management & Tourism concentration area <sup>2</sup> ..... | 9         |
| Natural Sciences <sup>1</sup> .....                                    | 6         |
| Social/behavioral Science <sup>1</sup> .....                           | 3         |
|                                                                        | <hr/> 34  |

| THIRD YEAR                                                             | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Electives <sup>3</sup> .....                                           | 12        |
| Hospitality Management & Tourism 3050, 4200.....                       | 6         |
| Hospitality Management & Tourism concentration area <sup>2</sup> ..... | 9         |
| Social/behavioral science <sup>1</sup> .....                           | 3         |
|                                                                        | <hr/> 30  |

| FOURTH YEAR                                                            | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Electives <sup>3</sup> .....                                           | 3         |
| Hospitality Management & Tourism concentration area <sup>2</sup> ..... | 6         |
| Hospitality Management & Tourism 4030, 4150, 4500.....                 | 18        |
|                                                                        | <hr/> 27  |

Total Semester Hours for Degree ..... 120

### Footnotes:

- <sup>1</sup> Selected to meet University core requirements.
- <sup>2</sup> Chosen to meet Hospitality Management and Tourism concentration area.
- <sup>3</sup> Electives must be chosen so as to complete an approved minor as defined by the department concerned.

# COLLEGE OF NURSING AND SCHOOL OF ALLIED HEALTH

1800 Line Avenue, Shreveport, LA 71101  
318-677-3100  
nursing@nsula.edu  
sah@nsula.edu

**Dean:** Aimee Badeaux, *Professor*  
*Dean Emeritus:* Norann Planchock

## **Mission of the College of Nursing and School of Allied Health**

Northwestern State University's College of Nursing and School of Allied Health advances the mission of the University through innovative teaching, experiential service learning, and scholarship. The College of Nursing and School of Allied Health offers quality healthcare education to a diverse student population to achieve their goal of becoming responsible healthcare providers who improve the health of our region, state, and nation.

## **Degree Programs Available Through the College of Nursing and School of Allied Health**

Associate of Science program in: Nursing with concentrations in: LPN to ASN, military medic-paramedic to ASN, transition to RN

Bachelor of Applied Science program in: Allied Health with concentrations in: health science and technology, health science leadership and management

Bachelor of Science programs in: Nursing with concentrations in: accelerated BSN, LPN to BSN, RN to BSN; Radiologic Sciences, with concentrations in: DMS to BSRS, radiography, RT to BSRS, ultrasound

Master of Science programs in Allied Health with concentrations in: clinical education, clinical operations; Nursing with concentrations in: administration, adult gerontology acute care nurse practitioner, adult gerontology primary care nurse practitioner, education, family nurse practitioner, psychiatric mental health nurse practitioner, women's health nurse practitioner; Radiologic Sciences with concentrations in: administration; education

Doctor of Nursing Practice program in: Nursing Practice, with concentrations in: educational leadership, executive leadership, nurse anesthesia

## **Undergraduate, Post Baccalaureate, and Post Master's Certificates Offered Through the College of Nursing and School of Allied Health**

### **Undergraduate (UC) Certificates:**

Computed Tomography (CT) Certificate  
Invasive Cardiovascular Technology Certificate (ICV)  
Magnetic Resonance Imaging (MRI) Certificate

### **Post Baccalaureate (PBC) Certificate:**

Ultrasound Certificate

### **Post Master's (PMC) Certificates:**

Adult Gerontological Acute Care Nurse Practitioner Certificate  
Family Nurse Practitioner Certificate  
Psychiatric Mental Health Nurse Practitioner Certificate

Northwestern State University has been authorized by the Louisiana Board of Regents to offer the above Undergraduate Certificates (UCs), Post Baccalaureate (PBC) and Post Master's Certificates (PMCs). Refer to the College of Nursing and School of Allied Health web pages for detailed information on these certification programs.

## **Accreditation and Approval**

All undergraduate and graduate nursing education degree programs offered at Northwestern State University of Louisiana have full approval of the Louisiana State Board of Nursing.

The Associate of Science in Nursing program at Northwestern State University of Louisiana located in Shreveport, Louisiana and offered at the Natchitoches, Alexandria, and Leesville instructional sites, is accredited by the: Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400, Atlanta, Georgia 30326, (404) 975-5000).

The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate of Science in Nursing program is Continuing Accreditation. View the public information disclosed by ACEN regarding this program at <https://www.acenursing.org>.

The baccalaureate degree program in nursing, the master's degree program in nursing, Doctor of Nursing Practice program, and post-graduate APRN certificate program at Northwestern State University of Louisiana are accredited by the Commission on Collegiate Nursing Education 655 K Street NW, Suite 750, Washington, DC, 20001, 202-887-6791.

The Northwestern State University of Louisiana's Nurse Anesthesia Program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 10275 W. Higgins Rd., Suite 906, Rosemont, IL 60018-5603; (224) 275-9130; <http://coacrna.org>. The program's next review by the COA is scheduled for October 2026.

The Radiography program at Northwestern State University of Louisiana is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182; (312) 704-5300, email: [mail@jrcert.org](mailto:mail@jrcert.org). The program's current award is eight (8) years. The current accreditation award letter and additional accreditation information are available at: <https://www.jrcert.org/programs/northwestern-state-university/>.

The Diagnostic Medical Sonography program at Northwestern State University of Louisiana is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography. Commission on Accreditation of Allied Health Education Programs, 9355 – 113<sup>th</sup> St. North, #7709, Seminole, Florida 33775; 727 210-2350.

# COLLEGE OF NURSING

1800 Line Avenue, Shreveport, LA 71101  
318-677-3100  
nursing@nsula.edu

**Interim Senior Director:** Tamara Baxter, *Associate Professor*

*Senior Director Emeritus:* Pamela Simmons

*Professor Emeritus:* Maxine R. Johnson

*Professor:* Badeaux, Clawson

*Associate Professors:* Ackel, Adair, Blue, Caldwell, DeBose, Downey, Hayter, Jaep, Johnston, A. Jones, Joslin, Landry, Morris, Nichols, Oliver, Pearce, Ray, Rennie, Stigers, Usie, Wheat, Williams, Zapczynski

*Assistant Professors:* Aymond, Blakes, Book, Branton, Brown, Chenevert, Cole, Couvillion, Crow, Dallas, Durbin, Eastin, Flynn, Ford, Gibson, Girlinghouse, Harrell, Hickman, Horton, Hylan, Jimes, H. Jones, Laborde, Lee, Manns, McDonnell, Perez, Reger, Seymore, Stafford, Springfield, Tabor, Velotta, Wilhite, R. Williams, Youngblood

*Instructors:* Custis, Helton, Miller, Young

## Undergraduate Programs

### NURSING

#### Undergraduate Nursing Admission, Progression, Dismissal and Graduation Policies

Students who select the Associate of Science in Nursing (ASN) or the Bachelor of Science in Nursing (BSN) as a major must meet University admission requirements and comply with academic regulations and policies. Students who have been dismissed from the ASN or BSN program at Northwestern State University (NSU) are not eligible for readmission in either the ASN or BSN program for a minimum of 3 years.

Students transferring to NSU from a nursing program must provide a letter from the transferring nursing program stating the student is in good standing and eligible for readmission to, or continuation in, that program to be considered for admission to clinical nursing courses in the ASN or BSN program at NSU.

A student must receive approval from the Louisiana State Board of Nursing (LSBN) before being accepted into either program. Failure to disclose or to correctly answer the questions constitutes falsification of documents and may result in delay or denial of admittance. The Louisiana State Board of Nursing will conduct a criminal background check (CBC) on all applicants. For further information, students may refer to the "Guidelines for Denial or Delay of Licensure, Reinstatement, or the Right to practice Nursing as a Nursing Student," article 3324 and 3331 located on the LSBN website: <https://www.lsbns.state.la.us/laws-and-rules>.

Students are encouraged to review the LSBN website and associated policies. The student is not to personally contact the LSBN without direct guidance from the Program director.

If a student is admitted to the clinical sequence of the program, any subsequent disciplinary action, arrest, criminal charge or conviction, addiction, or impairment, etc. shall also be reported immediately (within 2 business days) to the appropriate Nursing Program Director and to the LSBN. All required documents shall be forwarded to the LSBN for evaluation in determining the student's eligibility to continue in the clinical sequence of the program.

#### Undergraduate Clinical Nursing Program Application Requirements

Admission to the University does not guarantee acceptance into an undergraduate clinical nursing program. Selection for

admission into undergraduate clinical nursing programs is highly competitive and based on space availability. Students must meet the following minimum criteria for admission into an undergraduate nursing program:

1. Admission to the University and submission of all official transcripts to the Office of Admissions.
2. Completion of all University required immunizations and submission of health information.
3. A cumulative undergraduate grade point average (GPA) of 2.0 or above on a 4.0 scale.
  - A cumulative undergraduate grade point average of 3.0 or above on a 4.0 scale for Accelerated BSN (ABSN) Program students.
4. A minimum GPA of 2.7 on a 4.0 scale for all courses (completed and in progress) as required for degree completion based on the curriculum pattern.
  - A minimum GPA of 3.0 on a 4.0 scale for all courses (completed and in progress) as required for degree completion based on the curriculum pattern for Accelerated BSN (ABSN) Program students.
  - GPA is calculated using all grades (including repeated and failed courses) earned in required courses completed and in progress at the time of the application.
5. An earned minimum grade of "C" in all required Biology, Chemistry, English, Mathematics, and Nursing courses.
6. Completion of Anatomy and Physiology courses, within ten (10) years of application to the undergraduate nursing program.
7. Completion of pre-requisite general academic courses toward the degree. The final grade, or last attempt, in any course must be passing.
  - ASN Program (All concentrations)
    - A student must complete or be registered/enrolled in all first semester courses of the curriculum pattern at the time of application to the undergraduate nursing program
  - BSN Program
    - A student must have completed the first two semesters of the curriculum pattern at the time of application to the undergraduate nursing program. All third semester courses must be completed for eligibility into clinical courses.



- An accelerated BSN (ABSN) Program student must obtain a bachelor's degree from an accredited university or be within one semester of obtaining a bachelor's degree. Proof of conferred degree will be required for progression to 2<sup>nd</sup> level in the ABSN program.
  - An accelerated BSN (ABSN) Program student must complete all general education classes or be in the process of completing all classes at the time of application to the undergraduate nursing program.
8. Completion of designated courses within a specific timeframe.
- ASN Program
    - NURA 1050 (History, Issues, and Trends in Nursing) must be successfully completed at the time of or within four (4) years of application to the undergraduate clinical nursing program.
  - BSN Program
    - NURG 3030 (Nursing as a Profession) and NURB 3050 (Concepts of Altered Health States) must be successfully completed at the time of or within four (4) years of application to the undergraduate nursing program.
    - Eligibility for enrollment in NURB 3030 (Nursing as a Profession) and/or 3050 (Concepts of Altered Health States)
      - A student must have completed all courses in the first two semesters of the curriculum pattern.
      - A student must be enrolled or have already taken the general education courses in the 3<sup>rd</sup> semester of the curriculum pattern.
      - A minimum GPA of 2.7 on a 4.0 scale for all courses (completed and in progress) as required for degree completion based on the curriculum pattern.
      - The minimum (or higher) score on the entrance exam.
      - Completion of the NURB 3030 and NURB 3050 Application.
9. Completion of the required entrance exam for nursing.
10. A minimum required entrance exam for nursing score.
11. Completion of the Application to Enroll in Clinical Nursing Courses by established deadlines.

#### **Undergraduate Clinical Nursing Program Entrance Exam**

A student must complete the required exam for nursing, achieving at least the minimum required score on the exam for admission into the undergraduate nursing program and as applicable for NURB 3030 and NURB 3050 application. The NSU College of Nursing utilizes the Assessment Technologies Institute (ATI) TEAS examination as the required entrance testing. For all generic students following the traditional ASN or BSN curriculum patterns, the minimal score required is a 58. For all students following an accelerated or transition pathway (Transition to RN, LPN to BSN, or ABSN), the minimal score required is a 64. Additional information regarding the ATI TEAS exam may be found at <https://www.atitesting.com/teas>.

Only exam scores from in-person proctored environments are accepted. Remote or virtual proctoring is strictly prohibited by the NSU College of Nursing.

A student must obtain the minimum required exam score:

- ASN Program
  - within 24 months of application to the undergraduate nursing program.
- BSN Program
  - within 24 months of application to the undergraduate nursing program
  - within 24 months of application for NURB 3030 and NURB 3050 Application.

Students may only test once per semester (fall, spring, or summer semester), with a maximum of four attempts allowed. Failure to earn the minimum score required within four attempts will result in the student being denied admission into nursing courses (both ASN and BSN programs) for three calendar years from the date of the last attempt.

- After three calendar years, the student may repeat the required entrance exam procedure as outlined above.

Testing procedures for the Transition to RN and LPN to BSN tracks differ; specific details are outlined in the Concentration-Specific sections of this policy.

Transfer students must provide their ATI transcripts and testing reports to appropriate program director or program coordinator.

#### **Undergraduate Clinical Nursing Program Application Process**

Consideration for acceptance into the NSU College of Nursing undergraduate programs requires students to complete the Application to Enroll in Clinical Nursing Courses. The application forms are located online at <https://www.nsula.edu/academics/colleges-and-schools/consah/college-of-nursing/> Applications to enroll will not be accepted after the deadlines posted. Applications are only good for one semester.

Deadlines for application to the undergraduate nursing courses are:

- ASN Clinical Courses
  - April 15<sup>th</sup> (for Fall admission)
  - August 15<sup>th</sup> (for Spring admission)
- BSN NURB 3030/NURB 3050
  - July 15<sup>th</sup> (for Fall admission)
  - November 15<sup>th</sup> (for Spring admission)
  - April 15<sup>th</sup> (for Summer admission)
- BSN Clinical Courses
  - April 15<sup>th</sup> (for Fall admission)
  - August 15<sup>th</sup> (for Spring admission)
- Accelerated Pathways
  - Transition to ASN
    - April 15<sup>th</sup> (for Spring admission)
    - December 15<sup>th</sup> (for Summer admission)
  - LPN to BSN
    - April 15<sup>th</sup> (for Fall admission)
    - August 15<sup>th</sup> (for Spring admission)
  - Accelerated Bachelor to BSN
    - October 15<sup>th</sup> (Preferred deadline for Summer admission)
    - February 15<sup>th</sup> (Final deadline for Summer admission)

- Verification of licensure as a health care provider (if applicable).
- Final order of the Louisiana State Board of Nursing (if applicable).

### **Selection for Enrollment in Clinical Nursing Course**

All applicants who submit the Application to Enroll in Clinical Courses form are evaluated to ensure completion of all requirements to enter the requested program (requirements outlined above).

Applicants meeting all requirements for the program will be ranked according to specific criteria. Acceptance into nursing programs is competitive and is not guaranteed based on acceptance and enrollment to NSU. Meeting minimal requirements for the program does not guarantee acceptance or admission to the requested campus for clinical nursing courses. Criteria utilized for ranking applicants includes:

- Overall grade point average of 2.0 to be eligible for ranking
- Grade point average in all courses required for the degree (nursing GPA)
- Entrance exam scores
- Number of academic credit hours completed at NSU

In addition to the ranking system outlined above, students must submit all documents required by the Louisiana State Board of Nursing (LSBN) by the stated deadlines. Failure to do so, or failure to be cleared for clinical admission by the LSBN will result in denial of entry into clinical nursing courses.

Applicants are required to have a health exam and submit documentation for verification of vaccination records or titers, health clearance by a provider, and insurance information. The necessary health forms and documentation needed will be provided to applicants with notification of acceptance for enrollment in clinical nursing courses.

The physical examination and laboratory tests can be conducted no earlier than six weeks prior to registration and must be completed by the deadline provided. Failure to complete the necessary requirements will result in denial of entry into clinical nursing courses.

Given the competitive nature of the clinical placement ranking process, the following additional factors may be considered:

- Pattern of repeated pre-requisite general academic courses required for the degree.
- Completion of a baccalaureate or higher degree and/or licensure in health care system.

### **Criteria for Progression in Undergraduate Studies in Nursing**

1. Complete pre- and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.
3. Earn a minimum grade of "C" in all required biology, chemistry, English, and mathematics courses.
4. Earn a minimum grade of "C" in all required nursing courses before progressing to the next required nursing courses.
5. A nursing course may be repeated one time only. Therefore, you may take the same nursing course two times. The final grade in a repeated course

MUST be a passing grade.

6. A maximum of two different nursing courses may be repeated, including those dropped with a W, audit, or incomplete. Therefore, a third failure will result in non-progression and dismissal.
7. A student repeating a nursing course must also enroll in the co-requisite nursing course. Reenrolling in a co-requisite course in which the student had previously received a passing grade will not be counted as repeated nursing hours for the dismissal policy. The most current grade earned will be the grade for the course.
8. Students repeating any level must complete the request to repeat/re-enroll form if eligible, or APDG request for waiver of policy form. After all first-time applicants or naturally progressing students have been placed, repeaters will be ranked for available spaces on each campus. All grades earned in courses required in the curriculum (including the failing grades in nursing courses) will be utilized to calculate the nursing GPA to rank repeating students.
9. Maintain current American Heart Association BLS and remain current with health form requirements and immunizations.
10. A student must have a primary major declared for the program from which they plan to graduate.
11. The student must comply with all requirements in the affiliation agreements of clinical agencies.
12. Must maintain LSBN eligibility.

### **Criteria for Dismissal Form Undergraduate Studies in Nursing**

A student is subject to dismissal from Undergraduate Studies in Nursing for the following reasons:

1. Failure to earn the minimum required score after maximum allowable attempts on the entrance examinations (per program).
2. Failure to earn a minimum grade of "C" in more than 2 required nursing courses (including "W", audit, or incomplete).
3. Students will be dismissed if the student has been unsuccessful after two enrollments in the same required nursing course (including "W", audit, or incomplete).
4. Participation in academic cheating and/or unauthorized possession of an examination.
5. Plagiarism.
6. Falsification of patient, personal, and/or agency records.
7. Unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion, or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
8. Illegal possession of weapons.
9. Theft.
10. Improper or abusive use of social media.
11. Lack of professional compatibility or unsafe clinical practice as identified by the faculty in either of the Undergraduate Nursing programs.
12. Loss of LSBN eligibility.

### **Criteria for Graduation**

Criteria for graduation from the ASN or BSN programs are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four-year period after enrollment in the first clinical nursing course.

- The courses identified as first clinical courses are NURA 1080/1081, NURA 1100/1110, NURA 1060, NURB 2170, NURB 3040/3041 and NURB 3060/3061.
- A minimum grade of "C" in all required biology, chemistry, English, mathematics, and nursing courses.
- Completion of all standardized examinations and/or NCLEX reviews as prescribed in each course.
- Students must have their correct major on file with the registrar to graduate.
- The final grade in a repeating course MUST be a passing grade.
- Students must maintain an Overall GPA of 2.0.

### **Requests for Waiver of Policies**

Forms for Waiver of the Admission, Progression, Dismissal, and Graduation Policies should be submitted online at: <https://forms.office.com/r/7HHvWYSkaD>

The committee will review the request for waiver and make recommendations to the appropriate Program Director. The student will receive written or email notification regarding the decision by the Program Director.

- For information on Grade Appeals or University Suspension Appeals, refer to the University Academic Regulations and Policies in the General Catalog. The student may also access this and other information online at the Office of the Registrar <https://www.nsula.edu/registrar/>

### **Transfer Credit in Nursing Courses**

A transfer student may request credit for selective nursing courses based on the following criteria:

- Successful completion of the course at another nursing program which is accredited by the Accreditation Commission for Education in Nursing (ACEN) and/or Commission on Collegiate Nursing Education (CCNE).
- Review of the course syllabus and approval at the discretion of the ASN Program Director or BSN Program Director.

### **Concentration Specifics**

Admission to the University does not guarantee enrollment in nursing courses. Applicants who submit a completed application to one of the concentrations must meet the same admission criteria as the generic student.

Articulation Programs – The purpose of the articulation plans within the College of Nursing and School of Allied Health is to facilitate the upward progression of students in nursing curricula. As validation of knowledge and skills, all prospective students must have worked one year or currently working with one year of experience in the healthcare field and possess a current, unencumbered license or certificate to practice in that field. Applicants should schedule an appointment with the transition program coordinator or a faculty advisor for planning.

## **Associate of Science in Nursing (ASN)**

### **Curriculum for the Associate of Science in Nursing (400)**

| FIRST YEAR                       | SEM. HRS. |
|----------------------------------|-----------|
| Biology 2250-2260.....           | 6         |
| Chemistry 1070 .....             | 3         |
| Communication 1010 or 2500 ..... | 3         |

|                                                                                                     |           |
|-----------------------------------------------------------------------------------------------------|-----------|
| English 1010, 1020.....                                                                             | 6         |
| Mathematics <sup>1</sup> .....                                                                      | 6         |
| Nursing 1050 <sup>2,3,4</sup> , 1100 <sup>2,5</sup> , 1110 <sup>2,5</sup> , 1160 <sup>2</sup> ..... | 9         |
| University Studies 1000 .....                                                                       | 1         |
|                                                                                                     | <u>34</u> |

| SECOND YEAR                                                            | SEM. HRS. |
|------------------------------------------------------------------------|-----------|
| Biology 2210.....                                                      | 3         |
| Nursing 1500 <sup>5</sup> , 1510 <sup>5</sup> , 1550, 2100, 2110 ..... | 18        |
| Psychology 2050 .....                                                  | 3         |
|                                                                        | <u>24</u> |

| THIRD YEAR<br>(One Semester)   | SEM. HRS  |
|--------------------------------|-----------|
| Fine Arts 1040.....            | 3         |
| Nursing 2500, 2510, 2550 ..... | 11        |
|                                | <u>14</u> |

Total Semester Hours for Degree ..... 72

#### Footnotes:

- Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 2100-2110.
- Before entering nursing courses, students must meet all criteria listed in the special admission policies listed in the University Catalog.
- Nursing 1080 is required for Transition to ASN students in place of Nursing 1050.
- Nursing 1080-1081 is required for the Transition to ASN student in place of Nursing 1050.
- Transition to ASN students will receive credit for course, if requirements are met per APDG policy.

### **Transition in Nursing (400C)**

#### Selection for Enrollment in Nursing Courses

- Submit a completed Application to Enroll in NURA 1080. Students must meet the same admission criteria as the generic ASN student except for completing NURA 1050 and will be selected on a competitive basis. Students are ranked according to the following criteria.
  - Overall grade point average of 2.0 to be eligible for ranking
  - Grade point average in all courses required for the degree (nursing GPA)
  - Entrance exam scores
  - Number of academic credit hours completed at NSU
 Given the competitive nature of the clinical placement ranking process, the following additional factors may be considered:
  - Pattern of repeated pre-requisite general academic courses required for the degree
  - Completion of a baccalaureate or higher degree and/or licensure in a health care system.
- Students must successfully pass the required entrance exam. If not successful on the first attempt, students may repeat in 30 days from the previous exam. If not successful on the second attempt, the student must wait for one calendar year.
- After one calendar year, the student may repeat the required entrance exam once. If the student is still not successful, the student must sit out for three years.
- A Transition to Nursing student that does not achieve the required minimum score for the transition concentration but does achieve the required minimum score for the generic ASN concentration, may apply to the ASN program on a competitive basis with the generic students.

#### Admission to Clinical Courses

- Has successfully completed an allied health or nursing certificate/degree program and possesses a current, unencumbered license or certificate to practice in that healthcare field.
- Completion of a Combat Medic Training Program within any United States military branch and is currently or has previously held the rank of Medic. Active duty and Combat service are not requirements.
- Full-time employment in that healthcare field for one year.

### Transition to Nursing Progression in the ASN Program

1. The transition student who earns a grade of below "C" in Nursing 1080/1081 is eligible to enter NURA 1500/1510 on a "space available" basis. Students may not re-enroll in NURA 1080. The students must also enroll in NURA 1050. Failure to pass NURA 1050, NURA 1500, and/or NURA 1510 will result in dismissal from the College of Nursing.
2. The transition student who passes NURA 1080/1081 is eligible to enter NURA 2100/2110.
3. Upon successful completion of NURA 1080, 2100, 2110, fourteen (14) credit hours in nursing will be awarded for the following courses: NURA 1100 (4 credit hours), 1110 (3 credit hours), 1500 (4 credit hours), 1510 (3 credit hours), NURA 1080 substitutes for NURA 1050.

## **Bachelor of Science in Nursing (BSN)**

**Nursing Major Requirements:** (70 semester hours) Students seeking a major in Nursing must complete 70 semester hours, within the 120 semester hour Nursing curriculum, which include Nursing 2170, 2180, 3030, 3040, 3041, 3050, 3060, 3061, 3130, 3141, 3150, 3160 or ALHE 4520, 3220, 3221, 3230, 3231, 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, and 4950.

### **Curriculum for the Bachelor of Science in Nursing (410)**

| FIRST YEAR                                                                                                                                                    | SEM. HRS. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Biology 2210, 2250-2251, 2260-2261 .....                                                                                                                      | 11        |
| Chemistry 1070.....                                                                                                                                           | 3         |
| English 1010, 1020.....                                                                                                                                       | 6         |
| Mathematics <sup>1</sup> .....                                                                                                                                | 6         |
| Nursing 2180 .....                                                                                                                                            | 3         |
| University Studies 1000 .....                                                                                                                                 | 1         |
|                                                                                                                                                               | <u>30</u> |
| SECOND YEAR                                                                                                                                                   | SEM. HRS. |
| Allied Health 1020.....                                                                                                                                       | 2         |
| Communication 1010 or 2500 .....                                                                                                                              | 3         |
| English 2110 .....                                                                                                                                            | 3         |
| Nursing 2170 <sup>3</sup> , 3030 <sup>3</sup> , 3040 <sup>3,4</sup> , 3041 <sup>3,4</sup> , 3050 <sup>3</sup> , 3060 <sup>3</sup> , 3061 <sup>3,4</sup> ..... | 19        |
| Nutrition 1030 .....                                                                                                                                          | 3         |
|                                                                                                                                                               | <u>30</u> |
| THIRD YEAR                                                                                                                                                    | SEM. HRS. |
| Fine Arts 1040.....                                                                                                                                           | 3         |
| History <sup>2</sup> .....                                                                                                                                    | 3         |
| Nursing 3130, 3141 <sup>4</sup> , 3150, 3160 or ALHE 4520, 3220, 3221, 3230, 3231 .....                                                                       | 22        |
| Social science <sup>2</sup> .....                                                                                                                             | 3         |
|                                                                                                                                                               | <u>31</u> |
| FOURTH YEAR                                                                                                                                                   | SEM. HRS. |
| Behavioral Science <sup>2</sup> .....                                                                                                                         | 3         |
| Nursing 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, 4950.....                                                                                             | 26        |
|                                                                                                                                                               | <u>29</u> |
| Total Semester Hours for Degree .....                                                                                                                         | 120       |

Footnotes:

- <sup>1</sup> Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 2100-2110.
- <sup>2</sup> See University core.
- <sup>3</sup> Before entering nursing courses, student must meet all criteria listed in the special admission policies listed in the University Catalog.
- <sup>4</sup> LPN to BSN students will receive credit for classes, if requirements are met per LPN to BSN APDG.

### **LPN to BSN Articulation Program (410B)**

The purpose of the articulation plans within the College of Nursing and School of Allied Health is to facilitate the upward progression of students in nursing curricula. As validation of knowledge and skills, all prospective students must be actively involved in nursing practice and possess a current,

unencumbered license to practice nursing (LPN/LVN). Applicants should schedule an appointment with the Transition Coordinator or a faculty advisor for planning.

### Selection for Enrollment in Nursing Courses

1. Submit a completed Application to Enroll in NURB 3030 and 3050 and meet the same admission criteria as the generic BSN student. Students will be selected on a competitive basis according to the following criteria.
2. Applicants meeting all requirements for the program will be ranked according to specific criteria. Acceptance into the nursing programs is competitive and is not guaranteed based on acceptance and enrollment to NSU. Meeting minimal requirements for the program does not guarantee acceptance or admission to the requested campus for clinical nursing courses. Criteria utilized for ranking of applicants includes:
  - Overall grade point average of 2.0 to be eligible for ranking
  - Grade point average in all courses required for the degree (nursing GPA)
  - Entrance exam scores
  - Number of academic credit hours completed at NSU

Given the competitive nature of the clinical placement ranking process, the following additional factors may be considered:

  - Pattern of repeated pre-requisite general academic courses required for the degree.
  - Completion of a baccalaureate or higher degree and/or licensure in health care system.
3. Students must successfully pass the required entrance exam. If not successful on the first attempt, students may repeat in 30 days from the previous exam. If not successful on the second attempt, the student must wait for one calendar year.
4. After one calendar year, the student may repeat the required entrance exam once. If the student is still not successful, the student must sit out for three years.

### Admission to Clinical Courses

1. Successful completion of a state-approved PN/VN program.
2. Full-time employment in nursing practice as an LPN/LVN for a minimum of one (1) year.
3. A current, unencumbered LPN/LVN license to practice in Louisiana.
4. Proof of IV therapy.

### LPN Placement in the BSN Program

1. The LPN-BSN student who scores below the minimum required scores on the entrance exam for the LPN to BSN but achieves the required minimum score for the generic BSN program, is eligible to apply to the BSN program on a competitive basis with the generic students.
2. The LPN-BSN student who earns a grade of below "C" in Nursing 3060 may repeat the course one time and must also enroll in the corequisite course NURB 3061 on a "space available" basis. Failure to achieve a minimum grade of a "C" a second time will result in a dismissal from the College of Nursing.
3. The LPN-BSN student who fails to achieve a minimum grade of "C" in Nursing 3130 may repeat the course once, and must also enroll in the co-requisite course, NURB 3141. Failure to achieve a minimum grade of "C" in 3150, may repeat the course one time. A second failure will result in dismissal from the College of Nursing.

- The LPN to BSN student who successfully completes NURB 3030, 3050, 3060, 3150, and NURB 3130 will be awarded additional credit for NURB 3061 (3 credit hours), NURB 3040 (3 credit hours), NURB 3041 (2 credit hours), and NURB 3141 (4 credit hours) for a total of 12 hours.

### **RN to BSN Articulation Program (410A)**

The College of Nursing and School of Allied Health at Northwestern State University offers an individualized plan for learning to assist registered nurses who are pursuing a Bachelor of Science in Nursing.

This individualized plan of learning has been developed to offer flexibility to meet the registered nurse students' needs. This plan offers the opportunity for the student to complete upper division nursing courses after the completion of general academics. The student has the opportunity to earn credit without enrollment in 38 hours of nursing courses.

### **Credit in Nursing Courses**

Credit in nursing courses is awarded upon satisfactory completion of the following requirement:

\*Graduates from accredited programs will be awarded credit in Nursing 3040, 3041, 3130, 3141, 3150, 3220, 3221, 3230, 3231, 4120, 4121, 4130, 4131, & 4950 following the satisfactory completion or enrollment in Nursing 4191 and/or 4291.

### **Admission Requirements**

- Current unencumbered license to practice nursing in Louisiana and/or the state(s) in which each clinical site is located.
- Current unencumbered license to practice in the state in which clinical experiences will be completed. Non-clinical courses may be taken before licensure with permission of the dean or Senior Director.
- Must have graduated from a nationally accredited associate degree or diploma nursing program.
- Professional liability insurance is encouraged prior to enrollment in nursing courses.
- Pre-licensure Associate of Science in Nursing students and graduates may dually enroll with the approval of the dean and department head.

### **Web Based Program**

This program allows registered nurse students to complete theory and clinical degree requirements in their own community. All nursing courses and general education courses are offered through a virtual platform. Students from any of the above concentrations must meet the same progression, dismissal, and graduation criteria as students in the generic programs unless noted under the concentration's details.

### **RN to Bachelor of Science in Nursing (BSN)**

**Major Nursing Requirements:** (68 hours). These hours include Nursing 3110, 3122, 3140, 3142, 3223, 3224, 4191, and 4291 in addition to the 38 credit hours awarded for previous education and experience.

### **Curriculum for the RN to Bachelor of Science in Nursing (410A)**

| All previous credit will be evaluated toward meeting requirements.<br>Any remaining courses may be taken before or with RN-BSN nursing courses. |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Course                                                                                                                                          | CR hrs. |
| Anatomy & Physiology (BIOL 2250, 2260)                                                                                                          | 6       |
| Behavioral Science****                                                                                                                          | 3       |
| Chemistry 1070                                                                                                                                  | 3       |
| Communication 1010 or 2500                                                                                                                      | 3       |
| Elective*                                                                                                                                       | 9       |
| English 1010, 1020, 2110                                                                                                                        | 9       |
| Fine Arts 1040                                                                                                                                  | 3       |
| History***                                                                                                                                      | 3       |
| Math*                                                                                                                                           | 6       |
| Microbiology (BIOL 2210)                                                                                                                        | 3       |
| Social Science**                                                                                                                                | 3       |
| UNIV 1000                                                                                                                                       | 1       |
| <b>TOTAL: 52 hours</b>                                                                                                                          |         |
| Nursing courses credited for ASN degree/diploma when in final semester (N4191 or 4291)                                                          |         |
| Course                                                                                                                                          | CR hrs. |
| N 3040 Foundations- credited                                                                                                                    | 3       |
| N 3041 Foundations Practicum - credited                                                                                                         | 2       |
| N 3130 Adult Health -credited                                                                                                                   | 4       |
| N 3141 Adult Health Practicum -credited                                                                                                         | 4       |
| N 3150 Pharmacology in Nursing -credited                                                                                                        | 3       |
| N 3220 Child Health -credited                                                                                                                   | 2       |
| N 3221 Child Health Practicum -credited                                                                                                         | 2       |
| N 3230 Women's Health – credited                                                                                                                | 2       |
| N 3231 Women's Health Practicum – credited                                                                                                      | 2       |
| N 4120 Complex Nursing Care – credited                                                                                                          | 4       |
| N 4121 Complex Nursing Practicum – credited                                                                                                     | 2       |
| N 4130 Psych/Mental Health – credited                                                                                                           | 3       |
| N 4131 Psych/Mental Health Practicum-credited                                                                                                   | 2       |
| N4950 Special Topics-credited                                                                                                                   | 3       |
| <b>TOTAL: 38 hours</b>                                                                                                                          |         |
| RN-BSN NURSING COURSES                                                                                                                          |         |
| Course                                                                                                                                          | CR hrs. |
| N 3110 Pathophysiology for RNs                                                                                                                  | 3       |
| N 3142 Gerontology for RNs                                                                                                                      | 3       |
| N 3140 Informatics for RNs                                                                                                                      | 3       |
| N 3223 Health Assessment for RNs                                                                                                                | 3       |
| N 3122 Dimensions of Professional Nursing                                                                                                       | 4       |
| N 3224 Introduction Nursing Research for RNs                                                                                                    | 4       |
| N 4191 Community Based Nursing Practicum for RNs                                                                                                | 5       |
| N 4291 Leadership and Management Practicum for RNs                                                                                              | 5       |
| <b>TOTAL: 30 hours</b>                                                                                                                          |         |

Grand Total Credit Hours: 120

+ Elective cannot be a developmental (remedial) or physical activity course.

\*Acceptable MATH course sequences: 1020-1060, 1020-1090, 1020-2010, or 2100-2110 or MATH 1100.

\*\*Selected from: ANTH 1510, 2020, ECON 2000, PSCI 2010, GEOG 1010, 1020.

\*\*\*Selected from: HIST 1010, 1020, 2010, or 2020.

\*\*\*\*Selected from: EPSY 2020, PSYC 1010, 2050, or Sociology 1010.

### **Accelerated Bachelor of Science in Nursing (BSN) (410D)**

The Accelerated Bachelor of Science in Nursing Program strives to accommodate students seeking the BSN degree upon completion of a bachelor's degree preparing students for success in the field of nursing.

#### **Admission Requirements:**

1. A cumulative grade point average of 3.0 or above.
2. Completion of a bachelor's degree from an accredited university (or within one semester of completing the bachelor's degree).
  - a. Bachelor's degree- all coursework for the degree must be completed and the degree awarded, or the student may be in the process of completing the degree during the semester prior to applying for clinical courses.
3. A minimum grade point average of 3.0 in all courses completed that are required for the degree excluding electives. Courses students are enrolled in at the time of application are not used for ranking unless the course grade is available prior to the ranking process.

### **Graduate Programs**

#### **Nursing (546)**

Graduate Studies and Research in Nursing offers a curriculum leading to the Master of Science in Nursing degree and Post-Master's Certificates. Learning opportunities are provided for baccalaureate nursing graduates to extend their knowledge and skills in clinical nursing and to develop a functional role in nursing education, nursing administration, or nurse practitioner in health care delivery systems. The clinical concentrations of study include: Adult Gerontology Acute Care Nurse Practitioner, Adult Gerontology Nursing Administration, Adult Gerontology Nursing Education, Adult Gerontology Primary Care Nurse Practitioner, Maternal Child and Family Nursing Administration, Maternal Child and Family Nursing Education, Family Nurse Practitioner, Primary Care Pediatric Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner – Lifespan, and Women's Health Nurse Practitioner. Graduate education in nursing builds upon the base of baccalaureate education in nursing and upon experiential professional knowledge, attitudes, and skills, and is concerned with the educational preparation of nurses in advanced roles who can make significant contributions to the improvement of health care and to the advancement of nursing knowledge and practice.

The Master of Science in Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington DC 20001, telephone number 202-887-6791. Advanced Education Nursing Traineeships are usually available as well as research/teaching graduate nursing assistantships. Information can be obtained from the College of Nursing and School of Allied Health.

### **Program Requirements**

Program requirements for the major: a Bachelor of Science in Nursing from a nationally accredited program of nursing and evidence of current unencumbered, unrestricted Louisiana RN license or compact license that includes Louisiana, an undergraduate GPA of 2.5 overall or 2.75 in the last 60 hours, or a GRE score of 284 if the undergraduate GPA requirement cannot be met. Graduate preparation: Completion of the Master of Science in Nursing requires a minimum of 40-45 semester credits.

NURG 5700: Methods of Clinical Nursing Assessment, NURG 5280: Advanced Human Physiology and Pathology for Advanced Practice Nurses, and NURG 5710: Pharmacotherapeutic may only be repeated once. Students must earn a B or better in all role courses: NURG 5060: Practicum in Teaching, NURG 5070: Evaluation of Nursing Education, NURG 5090: Curriculum Development in Nursing Education, NURG 5110: Leadership in Healthcare, NURG 5140: Leadership Role Development, NURG 5210: Nursing Administration II, NURG 5220: Role of the Nurse Educator, NURG 5830: Role of the NP in Clinical Practice, and NURG 5840: Role of the NP in Business Practice. A paper in lieu of thesis and satisfactory ratings on a comprehensive examination are included in the requirements. Full or part-time study is available.

**A. Core (12 hours):** Nursing 5010, 5100, 5120 and 5280.

**B. Area of Clinical Concentration (6 – 12 hours):**

1. Adult-Gerontology Acute Care Nurse Practitioner (546N) - Nursing 5410, 5420, 5430.
2. Adult-Gerontology Primary Care Nurse Practitioner (546P) - Nursing 5530, 5540, 5550.
3. Family Nurse Practitioner (546C) - Nursing 5770, 5780, 5790.
4. Nurse Administration (546Y) - Nursing 5125, 5135, 5145.
5. Nurse Education (546X) - Nursing 5025, 5035, 5060.
6. Primary Care Pediatric Nurse Practitioner (546M) - Nursing 5850, 5860, 5870.
7. Psychiatric Mental Health Nurse Practitioner (546R) - Nursing 5910, 5920, 5930.
8. Women's Health Nurse Practitioner (546H) - Nursing 5330, 5340, 5350.

**C. Functional Role Concentrations (9-20 hours):**

1. Administration (Nursing 5110, 5140, 5210, 5380).
2. Education (Nursing 5060, 5070, 5090, 5290).
3. Nurse Practitioner (Nursing 5370 and 5690 (These courses are NOT required for the Psychiatric Mental Health Nurse Practitioner Concentration (546R), 5960 (This course is only required for the 546R concentration), 5700, 5710, 5810, 5830, 5840, and one of the following: 5360 or 5440 or 5560 or 5800, or 5880 or 5940).

**D. Support Courses (0 – 6 hours):**

To be selected from courses which support the student's clinical and/or functional role concentrations.

**E. Research Area (0 – 4 hours):**

1. Research Seminar (Nursing 5995, 5996, and 5997).

### **Revalidation of Courses**

In special cases, upon approval of the Dean, Graduate School and Program Director, expired credits may be revalidated by examination. TRANSFERRED CREDITS MAY NOT BE REVALIDATED.

The examination must include a written test or demonstrated performance that measure those topics currently taught in the course and must be evaluated as if the student had just completed the course. The student's written examination paper, portfolio, or performance document with accompanying instructions, course learning outcomes, and designated activities with completed rubrics must be filed in the College of Nursing and School of Allied Health's office. Test construction and evaluation of the assessment instrument will be done by the instructor who is currently teaching the course or who has most recently taught the course. Revalidation will be on a satisfactory/unsatisfactory basis. For grade point purposes, the initial grade will be utilized. The Revalidation of Expired Course Form must be completed by the student then submitted to the Graduate School and the Program Director for approval. Once signatures have been obtained, the form is then submitted to the Dean of the Graduate School for final approval. The student is responsible to pay the Revalidation of Expired Course Exam fee to the University Cashier's Office. The receipt of payment must be on file in the office of the Graduate School and College of Nursing and School of Allied Health prior to taking the test.

### **Nursing Practice (901)**

**The Doctor of Nursing Practice (DNP) degree program is designed to:**

1. Provide advanced nursing practice leaders with expertise, specialized competencies, and advanced knowledge required for evidence-based nursing practice and mastery in an area of specialization within the larger domain of nursing.
2. Prepare advanced nursing practice leaders to influence, design, direct and implement changes in healthcare practice, education, and policy through the development of collaborative alliances to improve healthcare outcomes of vulnerable populations.
3. Develop advanced nursing practice leaders who contribute to nursing's body of knowledge through professional development and scholarly inquiry to improve safety and quality healthcare outcomes of vulnerable populations.

**Graduates of the DNP program have the potential to transform health care by utilizing advanced clinical skills, translating evidence into practice, implementing systems changes, establishing standards and policies that guide the safe and compassionate delivery of healthcare, and acting as professional organizational leaders.**

### **National Accreditation**

The Doctor of Nursing Practice (DNP) degree program at Northwestern State University is accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001. 202-887-6791.

The Doctor of Nursing Practice (DNP) degree, nurse anesthesia role (Nurse Anesthesia Program) at Northwestern State University of Louisiana is fully accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA) (<http://coacna.org>, 10275 W. Higgins Rd., Suite 906, Rosemont, IL 60018-5603, and can be reached at 224-275-9130), a specialized accrediting body recognized by the Council on Recognition of Postsecondary Accreditation and the U.S. Department of Education. The Nurse Anesthesia

program received full accreditation in May 2021, with the next accreditation review in 2026.

### **Routes and Concentrations**

The DNP Program offers two routes for DNP degree obtainment:

1. Bachelor of Science in Nursing (RN) to DNP (BSN-DNP).
2. Master of Science in Nursing (RN) to DNP (MSN to DNP).

The DNP Program offers three concentrations:

1. Educational Leadership [EdL] (MSN to DNP route) (901D): 38 total credit hours.
2. Executive Leadership [ExL] (MSN to DNP route) (901E): 38 total credit hours.
3. Nurse Anesthesia [NA] (BSN to DNP route) (901C): 123 total credit hours.

### **Program Requirements**

Program requirements for the DNP degree are dependent upon the route of entry and concentration. A cohort model is used for all concentrations, meaning each cohort of students enrolls in and completes a prescribed set of courses each semester. Not all program courses are offered simultaneously. Therefore, part-time or partial semester course completion is not an option.

### **Overview of Required Courses by Route and Concentration**

**MSN to DNP Route, Educational Leadership and Executive Leadership Concentrations:** program requirements include completion of a minimum of 38 credit hours and 1,000 post-baccalaureate clinical hours of which 585 must be obtained in the program. Program specific course requirements are outlined below.

**BSN to DNP Route, Nurse Anesthesia Concentration** program requirements include completion of a minimum of 123 semester credit hours, and 3,136 practicum hours, all of which are obtained in the program.

**Note:** All DNP Routes and Concentrations require the satisfactory development, implementation, evaluation, and dissemination of a DNP project.

### **Courses Required of all Program Routes and Concentrations**

1. **Core Courses** (18 credit hours): NURG 7000, 7001, 7002, 7003, 7004, 7007.
2. **DNP Project Practicum Courses** (11 credit hours; minimum of 540 direct/indirect clinical hours): NURG 7032, 7010, 7011, 7012.

### **Courses Required by Each Program Route and Concentration**

1. **MSN to DNP route, Educational Leadership Concentration (EdL, 901D):** (9 credit hours; minimum of 45 direct/indirect clinical hours):
  - a. **Role Courses** EDUC 7040, EDUC 7170
  - b. **Practicum Course** NURG 7036

2. **MSN to DNP route, Executive Leadership Concentration (ExL, 901E):** (9 credit hours; minimum of 45 direct/indirect clinical hours):
  - a. **Role Courses** NURG 7033, 7034
  - b. **Practicum Course** NURG 7035
3. **BSN to DNP route, Nurse Anesthesia (NA, 901C)** (94 credit hours; minimum of 3136 direct/indirect practicum hours):
  - a. **Advanced Science Courses:** NURG 5700, 5710, 7031, 7016, 7018, 7019
  - b. **Anesthesia Principles Courses:** NURG 7017, 7020, 7023, 7024
  - c. **Role Courses:** NURG 7015, 7029
  - d. **Practicum Courses:** NURG 7021, 7022, 7025, 7026, 7027, 7028

### Admission Requirements

#### **Admission Procedures and Guidelines**

Admission to the DNP program begins with submission of an application through two systems: NursingCAS and Northwestern State University's (NSU) Graduate School website. Completion of applications through both systems (NursingCAS and NSU's Grad School) is required. Admission to the Graduate School does not imply admission to the DNP program. The DNP program is a selective admissions program.

#### **Graduate School Admission Requirements**

Applicants seeking admissions to the DNP program must meet minimum requirements for admission to the University's Graduate School. Applicants will be required to apply and submit the following application materials to Nursing CAS application portal as outlined in the admission process and by the specified deadline:

1. Official transcripts reflecting a minimum of a baccalaureate degree in nursing (BSN-DNP route) or master's degree in nursing (MSN-DNP route) from a nationally accredited College or University in the United States,
2. Official transcripts from all academic institutions attended, an undergraduate cumulative GPA of 3.00 on a 4.00 scale,
3. Official GRE scores with a minimum total of 290 or higher when combining verbal and quantitative scores within the last five years (BSN-DNP route only),
4. GRE analytical writing score of 3.0 or higher (BSN-DNP only),
5. An Emotional Intelligence assessment, and
6. Three (3) letters of recommendation (1 from a former faculty member, 1 from an immediate supervisor in the clinical setting, and 1 character reference) to the application portal (NursingCAS).

Non-native speakers of English must demonstrate sufficient English language proficiency per the University English Proficiency and TOEFL Requirement.

### DNP Program Specific Admission Requirements

**All DNP Applicants:** In addition to meeting the University's Graduate School Admission Requirements, all DNP applicants must meet the minimum requirements specific to admission into the DNP program. Applicants are required to submit to the NursingCAS application portal:

1. The NursingCAS application,
2. Evidence of a minimum of 1-year full-time experience as a registered nurse for MSN to DNP applicants, and 1-year full-time recent critical care experience (within the last two years) as a registered nurse at the time of application for BSN to DNP Nurse Anesthesia applicants.
3. Current, unencumbered Registered Nursing License in any state, and BSN to DNP Nurse Anesthesia applicants must have eligibility for Registered Nursing licensure in Louisiana or a compact state prior to enrollment.
4. Completion of emotional intelligence assessment
5. Curriculum vitae, and
6. Attestation to the ability to meet and comply with technical performance standards (*CONSAH Essential Academic Performance and Technical Standards for Didactic and Clinical Settings*).

**In addition to these requirements, all BSN-DNP (NA) applicants must submit to the Nursing CAS application portal:**

1. Current American Heart Association or American Red Cross Basic Life Support (BLS), and Advanced Cardiac Life Support (ACLS) certifications
2. *Work Experience and Technical Skill Proficiency Record*
3. *Professional Organization Membership, Certification and Licensure Record*

All required application materials for DNP Program are due by the published deadline for the following Spring semester of anticipated enrollment, with interviews scheduled each Summer. Applicant admission to the University does not guarantee enrollment in the DNP program. Applicants who meet program admission requirements and submit required admission materials by the deadline will be evaluated for an interview with the DNP admissions committee. Once final selections are made, applicants will be notified of acceptance status. Applicants who are not selected to enter the DNP program are invited to resubmit the required documents and undergo the selection process the following year.

### Transfer of Credit and Advanced Standing Credit

- **Bachelor of Science in Nursing to DNP (BSN-DNP) Route:** Coursework from outside institutions will not be transferred for inclusion of BSN-DNP NA (Nurse Anesthetist Role) degree requirements. NSU Nursing courses may be accepted at the discretion of the Director of Doctoral Studies, with requests accompanied by course description and course syllabus. All coursework for the DNP degree, including advanced standing credits, must be completed within 4 years immediately prior to graduation.
- **Master of Science in Nursing to DNP (MSN-DNP) Route:** A maximum of 12 credit hours may be earned at other nationally accredited DNP programs and transferred to NSU for inclusion of the MSN-DNP Educational or Executive Leadership degree requirements. Courses will only be accepted with grades of "B" or better. Courses for transfer may be accepted at the discretion of the Director of Doctoral Studies, with requests accompanied by course description and course syllabus. All coursework for the DNP degree, including transferred credits, must be completed within 6 years immediately prior to graduation.



### **Readmission**

A student who has withdrawn from the DNP program (withdrawn from all courses) and is in good standing with the University, may reapply for readmission to the DNP Program. Students who wish to reenter the program must meet with the DNP admissions committee with the understanding that readmission is not guaranteed. Readmission to the program is contingent on admission committee recommendations and program space availability.

### **Progression**

To maintain progression status and be in good academic standing with DNP program, the student must:

- Maintain a current, unencumbered license to practice as a registered nurse (RN);
- Obtain a minimum final grade of “B” or higher in all courses;
- Maintain continuous enrollment in the DNP program;
- Meet the University and CONSAH health requirements; and
- Meet the *CONSAH Essential Academic Performance and Technical Standards for Didactic and Clinical Settings*.

### **Non-Progression**

If a student fails to meet one or more of the requirements for progression, the student is in non-progression. Students may return to progression by following the re-entry procedures, provided they have not been dismissed from the nursing program. Students will be in non-progression for:

- Failure to obtain and maintain current, unencumbered licensure to practice as a registered nurse (RN);
- Failure to achieve a minimum grade of “B” in all courses;
- A student who earns a “C” in a didactic (non-practicum) course:
  - A DNP student will be allowed to progress in the program, provided the student’s GPA is a 3.0 or higher. The DNP student will not have to repeat the course for credit.
  - If the student earns a second “C” in a didactic course, the student will be dismissed from the program.
- A student who fails a practicum course (as indicated by a final grade of “C”, “D”, or “F”), will be dismissed from the program.
- A student who fails a didactic course (as indicated by a final grade of “D” or “F”), will be dismissed from the program;
- Failure to maintain continuous enrollment in the DNP Program;
  - Students who are voluntarily or involuntarily withdrawn from a DNP course are considered out of progression;
- Failure to meet the University and CONSAH health requirements;
  - Students will be withdrawn from courses if they fail to meet the requirements outlined for nursing students by Student Health Services;
  - Students who are withdrawn will not be automatically re-enrolled once they have met the requirements.

- Failure to meet the *CONSAH Essential Academic Performance and Technical Standards for Didactic and Clinical Settings* and/or expectations for behavior outlined in the University Student Handbook and DNP Program Handbook.
  - Students must meet the *CONSAH Essential Academic Performance and Technical Standards for Didactic and Clinical Settings* for admission and continue to meet these standards throughout program enrollment.
  - A student will be withdrawn from courses and/or dismissed from the program for failure to meet *CONSAH Essential Academic Performance and Technical Standards for Didactic and Clinical Settings*.

### **Program Dismissal**

As outlined in the non-progression policy, a student will be dismissed for failure of didactic, and/or clinical courses, and/or loss of unencumbered Registered Nurse licensure status. Further, a student who violates the Academic Honesty policy is subject to dismissal from the DNP program as outlined in the University Catalog and Student Handbook.

### **Graduation Requirements**

DNP students must complete all University requirements for graduation. Additionally, students must complete all courses with a GPA of 3.00 or greater, obtain a course grade of “B” or higher, provide evidence of a minimum 1,000 hours post-baccalaureate clinical experience, complete the development, implementation, evaluation, and satisfactory oral dissemination of their DNP scholarly project, and be in good standing with the University. Additionally, BSN-DNP NA students must complete all requirements of the Council on Accreditation of Nurse Anesthesia Educational Programs (COA) and the National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA) for program completion and meet program required nurse anesthesia clinical hour requirements.

Each DNP student is expected to monitor their progress to ensure that degree requirements are met. If a student encounters difficulty satisfying degree requirements, it is the student’s responsibility to notify the Director of Doctoral Studies. Timely notification is imperative to facilitate change and adjustments to ensure the student can meet degree requirements.

# SCHOOL OF ALLIED HEALTH

1800 Line Avenue, Shreveport, LA 71101  
318-677-3020  
sah@nsula.edu

**Department Head:** Rebecca Farmer, *Associate Professor*

*Professors:* Aaron, Curtis

*Associate Professors:* Cook, Farmer, Wood

*Assistant Professors:* Arant, Despino, Evans, Ferguson, Love, McCullen, Sanders, Wedgeworth

## ALLIED HEALTH

The School of Allied Health at Northwestern State University offers an individualized plan for learning to assist health care professionals to complete a bachelor's degree. The student has the opportunity to be awarded up to 30 hours of allied health elective credit\* for completion of clinical coursework associated with approved health care programs.

\* Credits for completion of the allied health electives will be considered on an individual basis by the NSU Division of Allied Health and will be based on the following criteria:

- The educational program must be a health career that is recognized by the American Medical Association as a health care career.
- The educational program that the student completed must meet one of the following criteria:
  1. The educational program must hold accreditation in good standing with a formal national programmatic accrediting agency widely acceptable to the specific health care profession and recognized by the US Department of Education or the Council for Higher Education Accreditation.
  2. The educational program must be offered in a post-secondary institution of higher learning that has accreditation in good standing with a recognized accreditor recognized by the US Department of Education (i.e. Southern Association of Colleges and Schools).

### Admission Requirements:

1. The student must have completed an associate degree in a health career that is recognized by the American Medical Association as a health care career.
2. Students must have obtained licensure, registration, or certification to practice in a recognized health career.

### Criteria for Progression in Allied Health:

- Students must earn a minimum grade of "C" in all required allied health courses.

### Available Concentrations:

**Health Science and Technology (620A):** (18 hours) Courses for this concentration will enhance students' knowledge and skills related to the patient care environment and/or teaching in health related areas. Students will be able to select courses from a pre-determined list that best meet their career goals. Examples of courses that may be included in this concentration are:

ALHE 2020, ALHE 2400, ALHE 4430, ALHE 4610; BIOL 2210, BIOL 2240; BUAD 1800; CIS 3020; EDAL 4000; ENGL 3230; HED 2000, HED 3000; PSYC 3010, PSYC

4400, PSYC 4450; RADS 3910, RADS 3920, RADS 4710. Others as approved by advisor.

**Health Science Leadership and Management (620B):** (18 hours) courses for this concentration will develop students' knowledge and skills for leadership and administrative roles in healthcare. Students will select courses that best meet their career goals. Courses included in this concentration are:

ACCT 2000; ALHE 2400, ALHE 4610; BUAD 1800, BUAD 2200, BUAD 3250; CIS 3020; COMM 4020, COMM 4310; ENGL 3230; MGT 2500, MGT 3220, MGT 4270, MGT 4500; MKTG 3230; PSYC 4500; UPSA 3000, UPSA 3600, UPSA 3700, UPSA 4100. Others as approved by advisor.

### Curriculum for Allied Health (620)

**Core Requirements:** (see University Core for specific requirements)

|                                |         |
|--------------------------------|---------|
| English.....                   | 6 hours |
| Mathematics.....               | 6 hours |
| Natural Sciences.....          | 9 hours |
| Humanities.....                | 3 hours |
| Fine Arts.....                 | 3 hours |
| Social/Behavioral Science..... | 6 hours |

Total: 33 hours

### Allied Health Clinical Coursework:

Students may be awarded up to 30 hours of credit for completion of clinical coursework associated with approved associate degree of certified allied health programs and have obtained licensure, certification, or registration in the allied health specialty. (**Total: 30 hours**)

| THIRD YEAR                                                     | SEM. HRS. |
|----------------------------------------------------------------|-----------|
| Allied Health 1020, 2200, 3900, 4230, 4520; 3000 or 3840 ..... | 15        |
| Communication 1010 or 2500.....                                | 3         |
| Concentration courses.....                                     | 9         |
| Psychology 2050.....                                           | 3         |
|                                                                | 30        |
| FOURTH YEAR                                                    | SEM. HRS. |
| Allied Health 4600, 4630, 4900 .....                           | 13        |
| Concentration courses.....                                     | 9         |
| Elective .....                                                 | 5         |
|                                                                | 27        |

## RADIOLOGIC SCIENCES

### Mission of the Bachelor of Science Program in Radiologic Sciences

Northwestern State University College of Nursing and School of Allied Health serves an increasingly diverse student population while advancing the mission of the University by offering excellent and innovative undergraduate, graduate, certificate, and continuing education programs that are designed to assist individuals in achieving their goal to become responsible and contributing members of an interprofessional global community that improves the health of our region, state, and nation.

## **Program Goals**

Consistent with the mission statement, the specific goals of the educational program are to graduate students who will:

- be clinically competent.
- demonstrate critical thinking skills.
- demonstrate an understanding of professionalism.
- demonstrate the ability to communicate effectively.

## **Special Admission, Progression, Dismissal and Graduation Policies**

The student who indicates the Bachelor of Science in Radiologic Sciences (BSRS) as a major with a concentration in radiography or ultrasound must meet University admission requirements and comply with academic regulations and policies.

The student who has been denied progression in courses or dismissed from another Imaging Sciences program will be evaluated on an individual basis. Students who have been dismissed from the BSRS degree program concentration at NSU are not eligible for readmission into any clinical concentration within the BSRS program.

Felony and misdemeanor convictions, regardless of resolution, may cause a student to be ineligible to take the national certification examination given by the American Registry of Radiologic Technologists (ARRT) for the radiography concentration or the American Registry for Diagnostic Medical Sonography (ARDMS) for the ultrasound concentration.

**Individuals who have been arrested, charged with, pled guilty or no contest to, or been sentenced for any criminal offense or misdemeanor in any state must contact the ARRT for the radiography concentration or the ARDMS for the ultrasound concentration.**

### **Radiography concentration background check:**

The American Registry of Radiologic Technologists (ARRT) reserves the right to disapprove the writing of the National Registry to persons who have been convicted of a felony or misdemeanor.

The final order of the American Registry of Radiologic Technologists will determine the individual's eligibility for consideration for admission to the Radiology clinical courses. The final order is to be submitted to the BSRS program concentration director/coordinator prior to enrollment in RADS 3311.

American Registry of Radiologic Technologists  
1255 Northland Drive  
St. Paul, Minnesota 55120-1155  
Website: <https://www.arrt.org/>  
Phone: (651) 687- 0048

### **Ultrasound concentration background check:**

The American Registry for Diagnostic Medical Sonography (ARDMS) requires that anyone who has been convicted of a misdemeanor or felony submit details of the charge and its resolution prior to making the decision of eligibility to apply for ARDMS certification. To obtain a Compliance Pre-determination Application, contact the ARDMS. The final order of the ARDMS will determine the individual's eligibility for consideration for admission to the clinical courses. The final order is to be submitted to the BSRS program director/coordinator prior to enrollment in SONO 3311.

American Registry for Diagnostic Medical Sonography  
1401 Rockville Pike  
Suite 600

Rockville, MD 20852-1402

Website: <https://www.ardms.org/>

Phone: (301) 738 – 8401

Following clinical acceptance, students must IMMEDIATELY report any subsequent disciplinary action, arrest, criminal charge or conviction, substance addiction, impairment, or similar issue to the appropriate Concentration Program Director/Coordinator AND relevant licensing organization at the time of occurrence during the clinical sequence of the program. All required documentation will be reviewed to determine the student's continued eligibility to progress in the clinical sequence of the program.

The following statements relating to admission, progression, dismissal, and graduation are consistent with the University's policies.

### **Special Admission Requirements for the University**

1. An Application for Admission to the University.
2. Official transcripts from all universities and educational programs attended must be submitted to the Office of Admissions, Northwestern State University.
3. All freshmen and transfer applicants with fewer than three credits in English composition and three credits in college mathematics beyond the developmental level must adhere to all university admission requirements.

### **Application Requirements for Enrollment in Clinical Courses**

Admission to the University does not guarantee enrollment in clinical courses. Selection for enrollment in clinical courses is on a competitive basis for available spaces.

Students must meet the following minimum criteria to be considered for selection for enrollment in BSRS clinical courses:

1. Admission to the University and submission of all official transcripts to the University Registrar and Office of Admissions the Natchitoches campus.
2. Students must be in good standing with the University and the College of Nursing and School of Allied Health.
3. A cumulative grade point average of 2.0 or above.
4. A minimum grade of "C" must be earned in all required biology, physical sciences, English, mathematics, allied health, and BSRS (RADS and SONO) courses on the final attempt.
5. Completion of pre-requisite general academic courses in the first three semesters toward the degree.
6. A minimum grade point average of 2.7 in all BSRS curriculum academic courses completed, excluding electives. The student's calculated GPA for clinical ranking consists of all grades (including repeated and failed courses) earned in required courses completed at the time of the application.
7. Successful completion of required entrance examination for BSRS, with a score that meets or exceeds the established minimum. All entrance exams must be taken in a face-to-face setting with an approved in-person proctor. No remote proctored exams will be accepted.

8. Completion of application to enroll in BSRS Clinical Courses, which includes:
  - a. Completion of the Clinical Application by the required deadline.
  - b. Copy of scores on required entrance examination for BSRS.
  - c. Response to any Requests for Waiver of Policy (if applicable).
  - d. Must complete a background check by the clinical application deadline.
9. Submission of a completed Clinical Application to Enroll in BSRS Clinical Courses is required no later than the published deadline.
10. Students must have completed all required courses and criteria by the last day of the Northwestern State University semester of requested enrollment. Official transcripts of grades earned from other institutions must be submitted to the Office of Admissions at Northwestern State University by the last day of the NSU semester preceding the date of requested enrollment.
11. The clinical application is valid for one enrollment cycle only and does not carry over to future admission periods.
12. No clinical application will be accepted after the designated deadline.

#### **Selection for Enrollment in BSRS Clinical Courses**

Admission to the University does not guarantee enrollment in BSRS clinical courses. Applicants who submit a completed application to enroll in BSRS clinical courses will be selected for admission on a competitive basis according to the following criteria:

1. Grade point average in all completed courses that are required for the degree, excluding elective hours, prior to clinical admission (60%).
2. Entrance examination scores (highest of all face-to-face attempts) (30%).
3. Number of general academic credit hours required for the degree completed at Northwestern State University (10%).
4. The final attempt of a repeated course must result in a passing grade.

Students admitted to the first clinical course level must submit a completed Undergraduate Studies in BSRS Health Form by the required deadline following registration. These forms and reporting processes will be provided to the applicants with notification of acceptance for enrollment in BSRS clinical courses. Repeat health forms and immunizations are required every year thereafter.

A Final Order from the American Registry of Radiologic Technologists (radiography concentration) or the American Registry for Diagnostic Medical Sonography (ultrasound concentration) (if applicable), must be submitted to the program director/coordinator prior to registration in RADS 3311 or SONO 3311.

#### **Criteria for Progression in Undergraduate Studies in BSRS major.**

1. Complete prerequisites and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.
3. Earn a minimum grade of "C" in all required biology, physical sciences, English and mathematics courses.

4. Earn a minimum grade of "C" in all required BSRS (RADS or SONO) and allied health courses before progressing to the next required clinical level according to the current BSRS curriculum.
5. A (RADS or SONO) or allied health course may be repeated one time only. Therefore, students may take the same BSRS (RADS or SONO) or allied health course two times. The final attempt of a repeated course must result in a passing grade.
6. A maximum of two different BSRS (RADS or SONO) or ALHE courses may be repeated, including those dropped with a grade of "W," audit, or incomplete. Therefore, a third failure will result in non-progression and dismissal from the designated concentration.
7. Maintain current BLS and remain current with health form requirements and immunizations.
8. A student must have a primary major declared for the program from which they plan to graduate.
9. The student must comply with all requirements in the affiliation agreements of clinical agencies.
10. Must maintain ARRT or ARDMS eligibility.
11. Returning students who are repeating the first clinical level will need to complete a new clinical application, background check, and be ranked to compete for clinical admission. Clinical admission is not guaranteed for returning first-level clinical students. Students must meet all admission criteria, including concentration GPA.
12. Students approved to repeat-re-enroll clinical levels 2-7 will be based on clinical capacity.
13. Students approved to repeat-re-enroll clinical levels 2-7, and who re-enter the program after an absence of one year, must successfully pass a re-entry examination to demonstrate retention of essential licensure content necessary for continued success in the program.
14. The student repeating BSRS (RADS or SONO) or allied health courses must concurrently enroll in the co-requisite courses.
15. Students are limited to one-time re-entry and progression into the program for clinical levels 2-7 due to failure of a course or extenuating circumstances.

Collectively, students are granted readmission and reentry into the program no more than one time, regardless of their clinical level.

#### **Criteria for Dismissal from Undergraduate Studies in BSRS**

A student is subject to dismissal from Undergraduate Studies in BSRS for the following reasons:

1. Failure to achieve at least a "C" when repeating or enrolling for the second time in the same required concentration BSRS (RADS or SONO) or allied health course.
2. Failure of more than two required BSRS (RADS or SONO) or allied health courses.
3. The need to repeat/re-enroll in more than two required BSRS (RADS or SONO) or allied health courses.
4. Participation in academic dishonesty and/or unauthorized possession of an examination.
5. Plagiarism.
6. Falsification of patient, personal, and/or agency records.
7. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion, or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.

8. Illegal possession of weapons.
9. Theft.
10. Improper or abusive use of social media.
11. Lack of professional compatibility or unsafe clinical practice as identified by the BSRS faculty.
12. Failure to comply with Essential Academic Performance & Technical Standards policies.
13. Loss of ARRT or ARDMS eligibility.

### Criteria for Graduation

Criteria for graduation from Undergraduate Studies in BSRS are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four-year period after enrollment in the first clinical radiology course.
3. A minimum grade of "C" in all required biology, physical sciences, English, mathematics, BSRS (RADS or SONO), and allied health courses.
4. Students must have their correct major and concentration on file with the Registrar to graduate.
5. The final attempt of a repeated course must result in a passing grade.

### Criteria for Transfer Students

Students transferring credit from accredited BSRS programs must meet the following criteria:

1. Students must meet all Northwestern State University criteria for admission to the University.
2. The BSRS (RADS or Ultrasound) clinical concentration programs do not accept "clinical" course transfer credits from other imaging sciences programs.

### Requests for Waiver of Policies

1. Requests for Waiver of the Admission, Progression, Dismissal and Graduation Policies (APDG) should be admitted to:
  - BSRS Director
  - BSRS Program Concentration Coordinator
  - APDG Appeals Committee Chair
2. The request for APDG waiver form is located on the School of Allied Health webpage: <https://www.nsula.edu/alliedhealth/>
3. For Grade Appeals or University Suspension Appeals, refer to the University Academic Regulations and Policies in the University Catalog (Registrar – Northwestern State University).

## Radiologic Sciences

**Radiologic Sciences Major Requirements:** (75-78 semester hours) Students seeking a major in Radiologic Sciences must complete 75-78 semester hours, within the 120 semester hour Radiologic Sciences curriculum, which include: Allied Health 1020, 2200, 2210, 3840, 4520, 4610, 4630 and one of the two available areas of concentration.

### Available Concentrations:

**Radiography (615R):** (57 semester hours) RADS 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3910, 3911, 3920, 4510, 4511, 4530, 4611, 4620, 4711, ALHE Advance Imaging Elective.

**Ultrasound (615U):** (60 semester hours) SONO 3211, 3320, 3300, 3311, 3810, 3811, 3820, 3900, 3910, 3911, 3920, 4510, 4511, 4600, 4611, 4700, 4711, 4900.

### Curriculum for Radiologic Sciences (615)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Allied Health 1020, 2200 .....                       | 4         |
| Biology 2250, 2251 .....                             | 4         |
| Biology 2260, 2261 .....                             | 4         |
| English <sup>1</sup> .....                           | 6         |
| History <sup>1</sup> .....                           | 3         |
| Mathematics <sup>1</sup> .....                       | 6         |
| University Studies 1000 .....                        | 1         |
|                                                      | 28        |
| SECOND YEAR                                          | SEM. HRS. |
| Allied Health 2210 .....                             | 2         |
| Behavioral Science <sup>1</sup> .....                | 3         |
| ALHE 2500 <sup>4</sup> .....                         | 3         |
| Communication <sup>1</sup> .....                     | 3         |
| English <sup>1</sup> .....                           | 3         |
| Fine Arts 1040 .....                                 | 3         |
| Concentration dependent courses <sup>4</sup> .....   | 13-18     |
| Science 1010 .....                                   | 3         |
|                                                      | 33        |
| THIRD YEAR                                           | SEM. HRS. |
| Allied Health 3840, 4520 .....                       | 6         |
| Concentration dependent courses <sup>2,4</sup> ..... | 25-27     |
|                                                      | 33        |
| FOURTH YEAR                                          | SEM. HRS. |
| Allied Health 4610, 4630 .....                       | 6         |
| Concentration dependent courses <sup>4</sup> .....   | 17        |
| Social Science <sup>1</sup> .....                    | 3         |
|                                                      | 26        |

Total Semester Hours for Degree ..... 120

#### Footnotes:

- 1 Refer to University core requirements.
- 2 Radiography concentration students will choose an ALHE 4850, 4910, or 4950.
- 3 Ultrasound concentration students are not required to complete an Advanced Imaging Elective.
- 4 Ultrasound concentration students are not required to take ALHE 2500.
- 4 Refer to concentration requirements.

### RT to BSRS Program (615A)

The Radiologic Sciences Program at Northwestern State University offers an individualized plan for learning to assist registered technologists who are pursuing a Bachelor of Science degree in Radiologic Sciences. This plan offers the opportunity for students to complete Radiologic Sciences courses after completion of general academics. The student has the opportunity to earn credit without enrollment in 45 hours of Radiologic Sciences courses.

### Credit in Radiologic Sciences Courses

Credit in Radiologic Sciences courses is awarded after satisfactory completion of the following requirements:

1. Complete general education courses.
2. Graduates from accredited radiologic science programs and that are ARRT certified in radiography will be awarded credit for: Allied Health 1020, Allied Health 2200, and Radiologic Sciences 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3911, 3920, 4510, 4511, 4530 and 4620.
3. Students with advanced certifications may be awarded upper division radiologic science or allied health credit. Credit will be considered on an individual basis by the NSU School of Allied Health.

### **Admission Requirements**

1. The student must be an ARRT registered technologist in Radiography.
2. Students must meet the published criteria as stated in the current Northwestern State University catalog to be considered for admission into the RT to BSRS program.

### **Admission Procedure**

1. Schedule an appointment with a Radiologic Sciences faculty advisor for initial planning. Students should bring a transcript and catalog from their basic program for this appointment.
2. Submit a completed application of admission to the Office of Admissions, Northwestern State University, 306 Sam Sibley Drive, Natchitoches, Louisiana 71497-0002, before registration. Forms are available online.
3. Submit official transcripts from all colleges attended to the Office of Admissions, Northwestern State University, 306 Sam Sibley Drive, Natchitoches, Louisiana 71497-0002.

## **RT to BSRS**

**RT to BSRS Requirements:** (69 semester hours) These hours include Allied Health 3840, 3900, 4520, 4600, 4610, 4630, 4900 in addition to the 45 credit hours awarded for previous education and experience.

### **Curriculum for RT to BSRS (615A)**

| <b>FIRST YEAR</b>                                            | <b>SEM. HRS.</b> |
|--------------------------------------------------------------|------------------|
| Allied Health 1020, 2200 .....                               | 4                |
| Behavioral Science <sup>1</sup> .....                        | 3                |
| English 1010, 1020 .....                                     | 6                |
| History <sup>1</sup> .....                                   | 3                |
| Mathematics <sup>1</sup> .....                               | 6                |
| Natural Sciences <sup>1</sup> .....                          | 6                |
| University Studies 1000 .....                                | 1                |
|                                                              | <u>29</u>        |
| <b>SECOND YEAR</b>                                           | <b>SEM. HRS.</b> |
| Allied Health 3900 .....                                     | 2                |
| Communication 1010 .....                                     | 3                |
| English 2110 .....                                           | 3                |
| Fine Arts 1040 .....                                         | 3                |
| Natural Sciences <sup>1</sup> .....                          | 3                |
| Radiologic Sciences 3300, 3310, 3311, 3320 .....             | 13               |
| Social Science <sup>1</sup> .....                            | 3                |
|                                                              | <u>30</u>        |
| <b>THIRD YEAR</b>                                            | <b>SEM. HRS.</b> |
| Allied Health Elective <sup>2</sup> .....                    | 3                |
| Allied Health 3840, 4520 .....                               | 6                |
| Radiologic Sciences 3811, 3820, 3830, 3911, 4511, 4530 ..... | 20               |
|                                                              | <u>29</u>        |
| <b>FOURTH</b>                                                | <b>SEM. HRS.</b> |
| Allied Health Elective <sup>2</sup> .....                    | 3                |
| Allied Health 4600, 4610, 4630, 4900 .....                   | 16               |
| Radiologic Sciences 3920, 4510, 4620 .....                   | 8                |
| Elective .....                                               | 5                |
|                                                              | <u>32</u>        |
| <b>Total Semester Hours for Degree .....</b>                 | <b>120</b>       |

#### **Footnotes:**

- <sup>1</sup> Refer to University core requirements.
- <sup>2</sup> HED 2000, RADS 3910, RADS 4710, ALHE 4100, 4230, 4430, 4850, 4860, 4870, 4910, 4920, 4930, 4940, 4950, 4960, 4970; BIOL 4340; PSYC 3010, 4400, 4450; EDAL 4000, EDAE 4700; MKTG 3230; or as approved by advisor.

### **DMS to BSRS Program (615B)**

The DMS to BSRS Program at Northwestern State University is a degree-completion within the BSRS Program, designed for certified diagnostic medical sonographers seeking academic advancement. It provides an academic pathway that

builds upon prior clinical education and professional credentialing while allowing students to complete required upper-level degree coursework.

### **Admission Requirements**

Applicants must have completed a diagnostic medical sonography program, hold current professional registration through the American Registry of Radiologic Technologists in Sonography or the American Registry of Diagnostic Medical Sonography in at least one specialty, and meet all general admission requirements as published in the current Northwestern State University catalog.

### **Credit in Radiologic Sciences Courses**

Students admitted to DMS to BSRS may be awarded block credit in Radiologic Sciences for prior accredited diagnostic medical sonography education and professional credentialing, in accordance with University policy.

Block credit is awarded upon verification of completion in a diagnostic medical sonography program and current professional registration through the American Registry of Radiologic Technologists in Sonography or the American Registry for Diagnostic Medical Sonography in at least one specialty.

Eligible students may receive up to 40 semester hours of block credit, which corresponds to prior education and competencies equivalent to the following courses:

ALHE 1020, ALHE 2200, SONO 3211, SONO 3311, SONO 3320, SONO 3811, SONO 3820, SONO 3911, SONO 3920, SONO 4511, SONO 4611, SONO 4711, SONO 4900 (40 hours).

Block credit recognizes prior education and competencies and eliminates the need to repeat entry-level diagnostic medical sonography coursework. The award of block credit does not reduce the total number of semester hours required for degree completion.

Students with additional or advanced certifications may be considered for supplemental upper-division allied health elective credit on an individual basis, subject to review and approval by the School of Allied Health.

### **Degree Requirements**

The Bachelor of Science in Radiologic Sciences degree requires a minimum of 120 semester hours for completion. Students must complete all University general education requirements for the degree; previously completed coursework may be applied in accordance with University transfer credit policies.

Students in DMS to BSRS apply awarded block credit toward the degree and complete remaining general education requirements (as applicable), upper-division allied health coursework, required Radiologic Sciences coursework, and approved electives in accordance with the BSRS degree plan and University policies. The DMS to BSRS is designed to be completed on a part-time or full-time basis, consistent with University policies governing degree completion and continuous enrollment.

## **DMS to BSRS**

**DMS to BSRS Requirements:** (64 semester hours) These hours include Allied Health 3840, 3900, 4520, 4600, 4610, 4630, 4900 in addition to the 40 credit hours awarded for previous education and experience.

## Curriculum for DMS to BSRS (615B)

| FIRST YEAR                                 | SEM. HRS. |
|--------------------------------------------|-----------|
| Allied Health 1020, 2200 .....             | 4         |
| English 1010, 1020 .....                   | 6         |
| History <sup>1</sup> .....                 | 3         |
| Mathematics <sup>1</sup> .....             | 6         |
| Natural Sciences <sup>1</sup> .....        | 6         |
| University Studies 1000 .....              | 1         |
|                                            | <u>26</u> |
| SECOND YEAR                                | SEM. HRS. |
| Allied Health 3900 .....                   | 2         |
| Communication <sup>1</sup> .....           | 3         |
| Behavioral Science <sup>1</sup> .....      | 3         |
| English 2110 .....                         | 3         |
| Fine Arts 1040 .....                       | 3         |
| Natural Sciences <sup>1</sup> .....        | 3         |
| SONO 3211, 3311, 3320, 3820, 3920 .....    | 12        |
|                                            | <u>29</u> |
| THIRD YEAR                                 | SEM. HRS. |
| Allied Health Elective <sup>2</sup> .....  | 8         |
| Allied Health 3840, 4520 .....             | 6         |
| SONO 3811, 3911, 4511 .....                | 10        |
|                                            | <u>24</u> |
| FOURTH YEAR                                | SEM. HRS. |
| Allied Health Elective <sup>2</sup> .....  | 3         |
| Allied Health 4600, 4610, 4630, 4900 ..... | 16        |
| SONO 4611, 4711, 4900 .....                | 14        |
| Social Science <sup>1</sup> .....          | 3         |
| Elective .....                             | 5         |
|                                            | <u>41</u> |
| Total Semester Hours for Degree .....      | 120       |

### Footnotes:

- <sup>1</sup> Refer to University core requirements.
- <sup>2</sup> HED 2000, ALHE 4100, 4230, 4430, 4850, 4860, 4870, 4910, 4920, 4930, 4940, 4950, 4960, 4970; BIOL 4340; PSYC 3010, 4400, 4450; EDAL 4000, EDAL 4700; MKTG 3230; or as approved by advisor.

## Graduate Programs

### Allied Health (565)

The School of Allied Health at Northwestern State University offers a specialized program of study that will prepare bachelor's-prepared allied health professionals to become leaders in allied health professions. The MSAH program offers two concentrations in the areas of clinical education and clinical operations. The program allows allied health professionals to earn a graduate degree in their discipline and to develop skills that support career advancement in allied health clinical education and clinical operations.

### Program Requirements

Entry into the program requires a bachelor's degree. Students must hold credentials in one of the allied health professions. Students must have completed an undergraduate statistics or research course.

Completion of the Master of Science in Allied Health requires a minimum of 33 semester credits. Students must satisfactorily complete an applied research course or thesis and receive a passing score on a comprehensive examination to obtain the degree.

#### • Research (9-12 hours):

- HC 5010 – Research I
- HC 5110 – Research II
- HC 5910 – Applied Research or
- HC 5980 – Thesis

#### • Allied Health Core (12 hours):

- HED 5600 – Epidemiology
- HC 5030 – Legal and Regulatory Issues in Healthcare
- HC 5123 – Data Collection and Analysis
- NURG 5110 – Leadership in Healthcare

#### • Concentrations (21-39 hours):

##### 1. Allied Health Clinical Operations Concentration (565A):

- ALHE 5310 – Operations and Resource Management in Healthcare
- ALHE 5320 – Fiscal Management in Healthcare
- ALHE 5330 – Information Management in Healthcare
- ALHE 5530 – Evidence Based Practice in Allied Health Administration
- HS 5000 – Inter. Terrorism/Trans-national org. crimes and covert operations
- HS 5050 – Homeland Security
- NURG 5380 – Healthcare Finance for Healthcare Administrator

##### 2. Allied Health Education Concentration (565B):

- ALHE 5210 – Curriculum Development and Teaching Methods in Allied Health Education
- ALHE 5220 – Assessment in Allied Health
- ALHE 5230 – Allied Health Student Management
- ALHE 5510 – Evidence-Based Practice in Allied Health Education
- COUN 5530 – Theories of Counseling
- ETEC 5790 – Educational Technology, Research, Evaluation, and Assessment
- SAHE 5500 – Intro. To Student Affairs in Higher Education
- SAHE 5920 – The American College and Student
- SAHE 5930 – Org. and Admin of Student Affairs in Higher Education
- SAHE 5950 – History of Higher Education
- SAHE 5960 – Legal and Ethical Issues in Student Affairs in Higher Education
- SPED 5510 – The Study of Individuals with Disabilities
- SPED 5830 – Teaching Creative Thinking in Higher Education

##### 3. Courses Applicable to both concentrations

- COUN 5610 – Multicultural and Diverse populations
- COUN 5800 – Alcohol and Drug Abuse Counseling
- EDAL 5000 – Foundations of Continuing Education and Professional Development for Adults
- EDAL 5010 – Adult learning and development
- EPSY 5460 – Dynamics of Human Growth and Development
- ETEC 5760 – Design and Development of Online and Multimedia Instructional Units
- HED 5100 – Introduction to Health Promotion
- HED 5300 – Planning and Organizing Health Promotion Programs
- HED 5400 – Implementing and Evaluating Health Promotion Programs
- HS 5400 – Network Security and Cyberterrorism

**Total 33-36 semester credits.**

## Radiologic Sciences (549)

The Radiologic Sciences Program at Northwestern State University provides a specialized program of study that will prepare baccalaureate radiologic sciences professionals to become leaders in the radiologic sciences. The MSRS program offers two concentrations in the areas of radiologic sciences education and administration. The program allows radiologic sciences professionals to earn a graduate degree in their discipline and to develop skills that will assist with career advancement within radiologic sciences education and administration.

### Program Requirements

Entry into the program requires a bachelor's degree. Students must hold credentials in one of the medical imaging modalities or radiation therapy. Students must have completed an undergraduate statistics or research course.

Completion of the Master of Science in Radiologic Sciences requires a minimum of 33 semester credits. Students must satisfactorily complete an applied research course or thesis and receive a passing score on a comprehensive examination to obtain the degree.

- **Research (9-12 hours):**

- HC 5010 – Research I
- HC 5110 – Research II
- HC 5910 – Applied Research or
- HC 5980 – Thesis

- **Radiologic Sciences Core (12 hours):**

- HC 5030 – Legal & Regulatory Issues in Healthcare
- HC 5123 – Data Collection and Analysis
- NURG 5110 – Leadership in Healthcare
- RADS 5020 – Current Issues in Radiologic Sciences

- **Concentrations (12 hours):**

1. **Radiologic Sciences Administration**

- Concentration (549A):**

- RADS 5310 – Operations and Resource Management in Radiologic Sciences
- RADS 5320 – Fiscal Management in Radiologic Sciences
- RADS 5330 – Information Management in Radiologic Sciences
- RADS 5530 – Administration Evidence-Based Practice

2. **Radiologic Sciences Education Concentration (549B):**

- RADS 5210 – Curriculum Development & Teaching Methods in Radiologic Sciences
- RADS 5220 – Assessment in Radiologic Sciences
- RADS 5230 – Radiologic Sciences Student Management
- RADS 5510 – Education Evidence Based Practice



# **GALLASPY FAMILY COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT**

Pod C, Room 119, Teacher Education Center  
318-357-6288  
gcoehd@nsula.edu

**Dean:** Neeru Deep, *Assistant Professor*  
*Dean Emeritus:* Dr. Vickie Gentry

## **Mission of the Gallaspy Family College of Education and Human Development**

The Gallaspy Family College of Education and Human Development (GCEHD) is committed to working collaboratively to acquire, create, & disseminate knowledge to Northwestern students through transformational, high impact experiential learning practices, research, and service. Through the School of Education and the School of Kinesiology, Military Science, Psychology, and Social Work, the College produces knowledgeable, inspired, and innovative graduates ready for lifelong learning who contribute to the communities in which they reside and professions they serve. Additionally, the GCEHD is dedicated to the communities served by the Marie Shaw Dunn Child Development Center, NSU Elementary Laboratory School, NSU Middle Laboratory School, and the NSU Child and Family Network to assist children and their parents related to learning and development.

## **Degree Programs Available Through the Gallaspy Family College of Education and Human Development**

Bachelor of Music Education programs in: Music Education-Instrumental, Grades K-12; Music Education-Vocal, Grades K-12; Music Education-Vocal/Instrumental, Grades K-12

Bachelor of Science programs in: Addiction Studies with a concentration in industrial organizational behavior; Early Childhood Education, Grades Pre-K-3; Elementary Education, Grades 1-5; Child and Family Studies with concentrations in: child development and family relations, consumer services; Health and Exercise Science with concentrations in: kinesiology, pre-athletic training, pre-occupational therapy, pre-physical therapy; Health and Physical Education Grades K-12; Psychology with concentrations in: industrial organizational behavior, prevention specialist, substance abuse; Secondary Education and Teaching with concentrations in: agriculture education, biology education, business education, English education, mathematics education, social studies education

Bachelor of Social Work

Master of Arts programs in: Adult Learning and Development with concentrations in: adult and workforce development, English, e-learning, homeland security; Counseling, with concentrations in: clinical mental health counseling, school counseling; Student Affairs in Higher Education

Master of Arts in Teaching programs in: Early Childhood Education, Grades PK-3; Elementary Education, Grades 1-5; Elementary Education & Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education & Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; Secondary Education & Special Education Mild/Moderate, Grades 6-12

Master of Education programs in: Curriculum and Instruction (see associated concentrations); Early Childhood Education; Educational Leadership; Educational Technology Leadership (see associated concentrations); Special Education (see associated concentrations)

Master of Science programs in: Health and Human Performance with concentrations in: exercise physiology, public health, sport administration; Psychology, Clinical with concentrations in: addiction studies, substance abuse

Master of Social Work

Educational Specialist program in: Educational Leadership and Instruction with concentrations in: educational leadership, educational technology, special education

Doctor of Education program in: Adult Learning and Development (see associated concentrations)

## **Schools/Departments Within the Gallaspy Family College of Education and Human Development**

School of Education

School of Kinesiology

Department of Military Science

Department of Psychology and Addiction Studies

Department of Social Work

## **Accreditations**

Northwestern State University is a member in good standing of the American Association of Colleges for Teacher Education, 1 Dupont Circle, Suite 610, Washington, DC 20036-1186, telephone number (202) 293-2450. All degree programs at the bachelor's level in Education and those leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496. The Physical Education Teaching Program is fully accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496 and by the National Association for Sport and Physical Education, 1900

Association Drive, Reston, Virginia 20191. The degree programs in Music Education are fully accredited by the National Association of the School of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700. The degree program in Child and Family Studies is accredited by the American Association of Family and Consumer Sciences, 400 N. Columbus Street, Alexandria, Virginia 22314-2752, telephone number (703) 706- 4600. The social work program is fully accredited at the baccalaureate level by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, Virginia 22314-3457, (703) 683-8080, email [accred@cswe.org](mailto:accred@cswe.org), CSWE online [www.cswe.org](http://www.cswe.org). The Addiction Studies program is fully accredited at the baccalaureate level by the National Addiction Studies Accreditation Commission. (NASAC), 1001 N. Fairfax Street, Suite 201, Nelsonia, Virginia 23414, telephone number (703) 741-7686.

# SCHOOL OF EDUCATION

Pod B, Teacher Education Center  
318-357-6278  
education@nsula.edu

**Interim Director:** April Giddens, *Associate Professor*

*Professors:* Brunson, Morris, Perkins, Bouck, Hawkins, Jordan

*Associate Professors:* Christensen, Giddens, Hailey

*Assistant Professors:* Authement, Church, Craig, Elmore, Gentry, Hornsby, Norman, Matherly, O'Halloran, Solice

*Instructor:* Horton

## Degree Programs Available Through the School of Education:

<sup>1</sup>Bachelor of Music Education programs leading to initial teacher certification: Music Education-Instrumental, Grades K-12; Music Education-Vocal, Grades K-12; Music Education-Vocal/Instrumental, Grades K-12

<sup>1</sup>Bachelor of Science programs leading to initial teacher certification: Early Childhood Education, Grades Pre-K-3; Elementary Education, Grades 1-5; Secondary Education and Teaching with concentrations in: agriculture education, biology education, business education, English education, mathematics education, social studies education

Bachelor of Science program in: Child and Family Studies with concentrations in: child development and family relations, consumer services

Master of Arts programs in: Adult Learning and Development (see associated concentrations); Counseling (see associated concentrations); Student Affairs in Higher Education

<sup>1</sup>Master of Arts in Teaching programs leading to initial teacher certification: Early Childhood Education, Grades PK-3; Elementary Education, Grades 1-5; Elementary Education & Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education & Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; Secondary Education & Special Education Mild/Moderate, Grades 6-12

<sup>2</sup>Master of Education programs in: Curriculum and Instruction (see associated concentrations); Early Childhood Education; Educational Leadership; Educational Technology Leadership (see associated concentrations); Special Education (see associated concentrations)

<sup>2</sup>Educational Specialist program in: Educational Leadership and Instruction (see associated concentrations)

Doctor of Education program in: Adult Learning and Development (see associated concentrations)

## Alternate Certification Programs Leading to Initial Teacher Certification

Northwestern State University offers three Board of Elementary and Secondary Education (BESE) approved certification pathways which allow individuals with baccalaureate degrees outside of education to earn Louisiana teacher certification, commonly called alternate certification. Admission requirements meet standards set by the Louisiana Department of Education but may include additional requirements set by the university. These pathways include:

1. **Master of Arts in Teaching (MAT)** degree, offering coursework leading to a Master of Arts in Teaching degree and teacher certification in Early Childhood Education, Grades PK-3; Elementary Education, Grades 1-5; Elementary Education and Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education and Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; and Secondary Education and Special Education Mild/Moderate, Grades 6-12. All programs are available online.
2. **Practitioner Teacher Program**, Preparing Responsive Educators Program (PREP) is an accelerated program for those seeking certification to teach in a Louisiana school without completion of graduate degree. PREP is available through a cohort model, beginning each summer. Candidates complete all coursework required for certification in 12-15 months. Certification is available in Elementary Education, Grades 1-5; Elementary Education and Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education and Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; and Secondary Education and Special Education Mild/Moderate, Grades 6-12. All programs are available online.
3. **Non-Master's alternate certification program** offers coursework leading to Louisiana teacher certification in Music education, grades K-12.

## Admission, Retention and Graduation Policies

**Undergraduate Programs:** Upon declaring a major within the School of Education, each student is assigned an advisor to assist in planning a program of study. Students should contact their advisor prior to each registration.

**Child and Family Studies (CFS):** All students enrolling in CFS must follow the curriculum in effect at the time they are admitted. Students must earn a grade of "C" or higher in all Child and Family Studies coursework. Students pursuing a degree in this non-teaching area must earn an overall grade point average of a 2.0 or higher in order to graduate.

<sup>1</sup> Completion of degree program also meets the requirements for a Louisiana teaching certificate in their area of concentration.

<sup>2</sup> Admission to the program requires certification in a teaching area.

## Add-On Certification Areas

The University offers coursework leading to numerous add on certifications areas. A valid teaching certificate is required to complete add-on coursework. Further information is available at: <http://tlc.nsula.edu/degree-programs/add-onareas/>.

**Teacher preparation programs:** Undergraduate students pursuing degrees in a teacher preparation program should apply for admission to Teacher Candidacy by the end of their first year of coursework. All requirements for admission to Teacher Candidacy must be met to be eligible for enrollment in specific, upper level education courses. Application forms are available here, or in the Office of Teacher Candidacy and Certification. Requirements for admission to Teacher Candidacy include:

- Complete all required first year coursework as defined by the candidate's catalog.
- Earn an overall grade point average of 2.5 or higher (excluding all activity or developmental courses).
- Complete all degree applicable coursework with a grade of "C" or higher.
- Earn satisfactory scores required in Louisiana on PRAXIS Core (Reading, Writing, and Mathematics). An ACT composite score of 22 or greater or a combined verbal and math SAT score of 1030 or greater may be substituted.
- Complete an application for admission to teacher candidacy.
- Receive a favorable "Professional Dispositions and Characteristics" assessment from COEHD faculty.
- Receive a clear national background check.

Retention as a teacher education candidate requires that a student continue to earn grades of "C" or higher (grades of "I", "X", or "Z" are not acceptable) in all degree applicable coursework and maintain an overall GPA of 2.50 or better.

A student who does not meet requirements for admission to and/or retention in teacher candidacy may file a written appeal with the Teacher Candidacy Admissions and Retention Committee if he/she believes that substantive, mitigating circumstances exist. The Admissions and Retention Committee recommend approval or disapproval of the appeal to the Dean of the Gallaspy Family College of Education and Human Development. Appeal meetings are held the week prior to the start of the fall and spring semesters.

As a part of NSU's commitment to the advancement of workforce initiatives, the university will award 3 (three) hours credit toward the Bachelor of Science degrees in Elementary Education and Secondary Education and Teaching to students who have successfully completed 2 micro credentials and have been awarded a certificate through the Educators Rising Program. Specifically, credit will be awarded for EDUC 2020. Additionally, the university will award 3 (three) hours credit toward the Bachelor of Science degree in Child and Family Studies to students who have been awarded a CDA. Specifically, credit will be awarded for CFS 2000.

**Alternate Certification-Master of Arts in Teaching programs, PREP, or non-master's certification:** Candidates pursuing alternate certification must provide the following evidence to be admitted into the program:

- Earned baccalaureate degree from a recognized accredited institution with a minimum overall grade point average of 2.50 on a 4.0 scale.
- Earned satisfactory scores required in Louisiana on PRAXIS Core (Reading, Writing, and Mathematics). An ACT composite score of 22 or greater, a combined verbal and math SAT score of 1030 or greater or an earned master's degree may be substituted for PRAXIS Core.
- Earn passing scores on the PRAXIS Content examination for the certification area pursued.

Retention in alternate certification programs require that a student continue to earn grades of "C" or higher. Students must maintain an overall GPA of 3.0 or higher and no more

than two grades of "C" are accepted for the degree.

Students in all alternate certification programs must complete a one-year internship in the grade level and content area of the certification pursued. Students enrolled in the MAT program or non-master's program must submit passing scores on the PRAXIS II pedagogy (PLT) test prior to enrollment in an internship. Students in PREP must present passing scores on the PRAXIS II pedagogy (PLT) test to complete certification requirements.

Students who are not eligible for retention in one alternate certification program may not transfer to another alternate certification program at Northwestern. In addition, students who are not eligible for retention in an alternate certification program with another provider may not transfer to an alternate certification program at Northwestern. Applicants who are dismissed from an undergraduate teacher certification program must appeal to be considered for admission to an alternate certification program.

A student who does not meet requirements for retention in an alternate certification pathway may file a written appeal, following guidelines set forth by the Graduate School.

**Master of Education programs:** Admission to any Master of Education (M.Ed.) program requires full admission to the Graduate School. Please see Graduate School guidelines for current entrance requirements.

All M.Ed. programs require that candidates have a valid teaching license. All M.Ed. programs allow the use of PRAXIS II Specialty Area exam in lieu of GRE admission requirements. Additional requirements may be added to Graduate School admission standards.

**Master of Arts programs:** Admission to any Master of Arts (M.A.) program requires full admission to the Graduate School, including the GRE. Please see Graduate School guidelines for current entrance requirements.

## **Undergraduate Programs**

### **Child and Family Studies**

**Child and Family Studies Major Requirements:** Students seeking a major in Child and Family Studies must complete 35 semester hours of CFS major requirements, along with 24 CFS concentration hours within the 120-semester hour CFS curriculum. Major requirements include CFS 1070, 2000, 2040, 3020, 3030, 3500, 4010, 4160 and 4500 (\*Child Welfare concentration students will take SOWK 4190 in lieu of CFS 4500); HED 1010, and PSYC 2050. Students must earn a grade of "C" or higher in all major requirements and concentration coursework.

#### **Available Concentrations (One required):**

**Child Day Care Coaching (137H):** (24 semester hours) CFS 3700, CFS 2090, NUTR 1070, MGT 2500, ABA 3100, ABA 4200, SOWK 4200, PSYC 3200. Students must earn a grade of "C" or higher in all concentration coursework.

**Child Development and Family Relations (137E):** (24 semester hours) CFS 2090, 2500, 3700, 4080 or 4140; NUTR 1030 or 1070; SPED 3460, ECED 3040, and ECED 3050. Students must earn a grade of "C" or higher in all concentration coursework.

**Child Welfare (137G):** (24 semester hours) CFS 3700, AS 1010, NUTR 1070, PSYC 3200, SOWK 4230, SOWK 4260, SOWK 4270, SOWK 4200. Students must earn a grade of "C" or higher in all concentration coursework.

**Consumer Services (137C):** (24 semester hours) CFS 4080, 4140; BUAD 1040; MGT 2500; NUTR 1030 or 1070; 9 hours of advisor approved electives. Students must earn a grade of “C” or higher in all concentration coursework.

**Child Day Care Coaching Minor Requirements:** (21 semester hours): CFS 3700, CFS 2090, MGT 2500, ABA 3100, ABA 4200, SOWK 4200, PSYC 3200. A grade of “C” or better is required for all CFS minor courses.

**Child and Family Studies Minor Requirements:** (21 semester hours), choosing from the following Child and Family Studies courses CFS 2000, 2040, 2090, 3020, 3030, 3500, 3700, 4080, 4140, and 4160. At least nine semester hours must be at the 3000 level or above. A grade of “C” or better is required for all CFS courses.

**Child Welfare Minor Requirements:** (21 semester hours) CFS 3700, AS 1010, SOWK 3200, SOWK 4190 (internship) or NUTR 1070 and PSYC 3200, SOWK 4270, SOWK 4200. A grade of “C” or better is required for all CFS minor courses.

### Curriculum for Child and Family Studies (137)

| FIRST YEAR                                        | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 1070, 2000 .....         | 6         |
| Child and Family Studies concentration area ..... | 6         |
| English 1010, 1020 .....                          | 6         |
| Fine Arts 1040 .....                              | 3         |
| Health Education 1010 .....                       | 2         |
| Mathematics 1020, 1060 .....                      | 6         |
| University Studies 1000 .....                     | 1         |
|                                                   | 30        |

| SECOND YEAR                               | SEM. HRS. |
|-------------------------------------------|-----------|
| Child and Family Studies 2040, 3020 ..... | 6         |
| Communication 1010 .....                  | 3         |
| Educational Psychology 2020 .....         | 3         |
| English 2110 .....                        | 3         |
| History 1010, 1020, 2010 or 2020 .....    | 3         |
| Natural Sciences <sup>1</sup> .....       | 6         |
| Psychology 2050 .....                     | 3         |
| Social Science <sup>1</sup> .....         | 3         |
|                                           | 30        |

| THIRD YEAR                                        | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 3030, 3500 .....         | 6         |
| Child and Family Studies concentration area ..... | 12        |
| Minor/Electives <sup>2</sup> .....                | 9         |
| Natural Sciences <sup>1</sup> .....               | 3         |
|                                                   | 30        |

| FOURTH YEAR                                       | SEM. HRS. |
|---------------------------------------------------|-----------|
| Child and Family Studies 4010, 4160, 4500 .....   | 12        |
| Child and Family Studies concentration area ..... | 6         |
| Minor/Electives <sup>2</sup> .....                | 12        |
|                                                   | 30        |

Total Semester Hours for Degree:..... 120

#### Footnotes:

<sup>1</sup> Selected to meet University core requirements.

<sup>2</sup> Electives may be chosen so as to complete an approved minor as defined by the program.

### Early Childhood Education, Grades Pre-K – 3

**Early Childhood Education, Grades Pre-K – 3 Curriculum Requirements:** Students seeking a degree in Early Childhood Education, Grades Pre-K – 3 must complete the following major requirements: ECED 2020, 3040, 3050, 3060, 3070, 3080, 3090, 3110; EPSY 2020, 3000; EDUC 3010, 3100, 3140; SPED 3460; RDG 3030, 3080; EDUC 4080, 4230, 4330, 4430; ETEC 3010; EDUC 4951, and 4952. Remaining courses are a combination of content hours above the required 39 hours of university core for a total degree of 120 hours.

### Curriculum for Early Childhood Education, Grades Pre-K – 3 (3101)

| FIRST YEAR                                 | SEM. HRS. |
|--------------------------------------------|-----------|
| Communication 1010 .....                   | 3         |
| Early Childhood Education 2020, 3060 ..... | 6         |
| Educational Psychology 2020 .....          | 3         |
| English 1010, 1020 .....                   | 6         |
| History 2010 or 2020 .....                 | 3         |
| Mathematics 1020 or 1035, 1060 .....       | 6         |
| Science 1010, 1020 .....                   | 6         |
| University Studies 1000 .....              | 1         |
|                                            | 34        |

| SECOND YEAR                                                                                           | SEM. HRS. |
|-------------------------------------------------------------------------------------------------------|-----------|
| Early Childhood Education 3050, 3070, 3080 <sup>2</sup> , 3090 <sup>2</sup> , 3110 <sup>2</sup> ..... | 15        |
| Education 3140 .....                                                                                  | 3         |
| Educational Psychology 3000 .....                                                                     | 3         |
| English 2110 .....                                                                                    | 3         |
| Mathematics 2030 .....                                                                                | 3         |
| Reading 3030 .....                                                                                    | 3         |
|                                                                                                       | 30        |

| THIRD YEAR                                                                                                        | SEM. HRS. |
|-------------------------------------------------------------------------------------------------------------------|-----------|
| Early Childhood Education 3040 .....                                                                              | 3         |
| Education 3100 <sup>1</sup> , 4080 <sup>2</sup> , 4230 <sup>2</sup> , 4330 <sup>1</sup> , 4430 <sup>1</sup> ..... | 15        |
| Human Performance 3120 .....                                                                                      | 3         |
| Reading 3080 <sup>1</sup> .....                                                                                   | 3         |
| Science 2020 .....                                                                                                | 3         |
| Social Studies 3030 or History 3040 .....                                                                         | 3         |
| Special Education 3460 .....                                                                                      | 3         |
|                                                                                                                   | 33        |

| FOURTH YEAR                                                               | SEM. HRS. |
|---------------------------------------------------------------------------|-----------|
| Art 2040 or MUS 2100 .....                                                | 2         |
| Education 3010 <sup>1</sup> , 4951 <sup>1</sup> , 4952 <sup>2</sup> ..... | 9         |
| Educational Technology 3010 <sup>2</sup> .....                            | 3         |
| Fine Arts 1040 .....                                                      | 3         |
| NUTR 1070 .....                                                           | 3         |
| Political Science 2010 .....                                              | 3         |
|                                                                           | 23        |

Total Semester Hours for Degree:..... 120

#### Footnotes:

<sup>1</sup> Must be taken concurrently.

<sup>2</sup> Must be taken as a block.

### Elementary Education, Grades 1 – 5

**Elementary Education, Grades 1 – 5 Curriculum Requirements:** Students seeking a degree in Elementary Education, Grades 1 – 5 must complete the following major requirements: (54 hours) EDUC 2020, EPSY 2020, EPSY 3000, EDUC 3010, EDUC 3100, EDUC 3140, SPED 3460, RDG 3030, RDG 3080, LIS 4160, EDUC 4080, EDUC 4230, EDUC 4330, EDUC 4430, ETEC 3010, EDUC 3210, EDUC 4961, EDUC 4962. Remaining courses are a combination of content hours above the required 39 hours of university core for a total degree of 120 hours.

### Curriculum for Elementary Education, Grades 1-5 (3102)

| FIRST YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| Communication 1010 .....             | 3         |
| Education 2020 .....                 | 3         |
| English 1010, 1020 .....             | 6         |
| Fine Arts 1040 .....                 | 3         |
| Health Education 1010 .....          | 2         |
| History 2010 or 2020 .....           | 3         |
| Mathematics 1020 or 1035, 1060 ..... | 6         |
| University Studies 1000 .....        | 1         |
| Science 1010, 1020 .....             | 6         |
|                                      | 33        |

| SECOND YEAR                             | SEM. HRS. |
|-----------------------------------------|-----------|
| Art 2040 or Music 2100 .....            | 3         |
| Education 3140 .....                    | 3         |
| Educational Psychology 2020, 3000 ..... | 6         |
| English 2110 .....                      | 3         |
| Geography 1010 .....                    | 3         |
| Mathematics 2030, 2040 or 2050 .....    | 6         |
| Political Science 2010 .....            | 3         |
| Reading 3030 .....                      | 3         |
| Science 2010 or 2020 .....              | 3         |
|                                         | <u>33</u> |

| THIRD YEAR                                                       | SEM. HRS. |
|------------------------------------------------------------------|-----------|
| Education 3100, 3210 <sup>1</sup> , 4080, 4230, 4330, 4430 ..... | 18        |
| English elective (ESL course) .....                              | 3         |
| Human Performance 3120 .....                                     | 3         |
| Reading 3080 .....                                               | 3         |
| Social Studies 3030 or History 3040 .....                        | 3         |
|                                                                  | <u>30</u> |

| FOURTH YEAR                                                               | SEM. HRS. |
|---------------------------------------------------------------------------|-----------|
| Education 3010 <sup>1</sup> , 4961 <sup>1</sup> , 4962 <sup>2</sup> ..... | 9         |
| Educational Technology 3010 <sup>2</sup> .....                            | 3         |
| Electives .....                                                           | 6         |
| Library and Information Science 4160 <sup>2</sup> .....                   | 3         |
| SPED 3460 .....                                                           | 3         |
|                                                                           | <u>24</u> |

Total Semester Hours for Degree.....120

Footnotes:

<sup>1</sup> Must be taken concurrently.

<sup>2</sup> Must be taken as a block.

## Secondary Education and Teaching

**Secondary Education and Teaching Major Requirements:** (39 hours) EDUC 2020, EPSY 2020, EPSY 3000, EDUC 3140, SPED 3460, RDG 4050, EDUC 4010, ETEC 3010, EDUC 3010, EDUC 3220, EDUC 4981, EDUC 4982.

### Available Concentrations:

#### Agriculture Education (320A):

General Education Specific Requirements: AGMT 2000, 3000; BUAD 1040, CULA 2010, EET 1300, 1301, 1320, 1321; BIOL 1011, 1021, 2030, 2031, 2040, 3900; MATH 1020, 1090; BIOL 1010, 1020.

#### Biology Education (320B):

General Education Specific Requirements: MATH 1100; BIOL 1010; CHEM 1030; PHYS 2030; EPSY 2020; HIST 2010 or HIST 2020; BIOL 1011, 1020, 1021, 2080, 2081, 2100, 2101, 3250, 3270, 3271, 3280; Biology elective (7 hours); CHEM 1040, 1041, 1031; PHYS 2031, 2100, 2101; English elective (3 hours).

#### Business Education (320U):

General Education Specific Requirements: EPSY 2020; HIST 2010 or 2020; ECON 2000; BUAD 1040, 1800, 2200, 3250; FIN 2150; CIS 2000; ECON 2010; ACCT 2000, 2010; MKTG 3230; MGT 3220; Business elective (3 hours).

#### English Education (320E):

General Education Specific Requirements: ENGL 2070; EPSY 2020; HIST 2010 or 2020; EDUC 4630; ENGL 3150, 3170, 3100, 3160, 3010, 3210, 4190, 3190 or 3200; 6 hours English electives; 6 hours foreign language.

#### Mathematics Education (320M):

General Education Specific Requirements: MATH 1100; BIOL 1010; CHEM 1030; PHYS 2030; EPSY 2020; HIST 2010 or 2020; MATH 1010, 2050, 2100, 2110, 2080, 3090, 3020, 3000, 3100, 3150, 4070; BIOL 1011; PHYS 2031; English elective (3 hours).

### Social Studies Education (320S):

General Education Specific Requirements: EPSY 2020; HIST 2010 or 2020; PSCI 2010. HIST 1010, 1020, 3110, 3040; GEOG 1010 or 1020, 2020, 3050; PSCI 2020; ANTH 1510 or 2020; ECON 2000, 2010; SOC 1010; 3 hour Social Science elective (2000/3000/4000 level).

### Curriculum for Secondary Education and Teaching (320)

| FIRST YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Concentration-dependent courses <sup>2</sup> ..... | 4         |
| Education 2020 .....                               | 3         |
| English 1010, 1020 .....                           | 6         |
| Fine Arts 1040 .....                               | 3         |
| Mathematics <sup>2</sup> .....                     | 6         |
| Natural Science <sup>2</sup> .....                 | 8         |
| University Studies 1000 .....                      | 1         |
|                                                    | <u>31</u> |

| SECOND YEAR                                        | SEM. HRS. |
|----------------------------------------------------|-----------|
| Concentration-dependent courses <sup>2</sup> ..... | 4         |
| Communication 1010 .....                           | 3         |
| Educational Psychology 2020 .....                  | 3         |
| English 2110 .....                                 | 3         |
| History 2010 or 2020 .....                         | 3         |
| Natural Science <sup>2</sup> .....                 | 7         |
| Social Science <sup>1</sup> .....                  | 3         |
| Special Education 3460 .....                       | 3         |
| Elective .....                                     | 3         |
|                                                    | <u>32</u> |

| THIRD YEAR                                         | SEM. HRS. |
|----------------------------------------------------|-----------|
| Concentration-dependent courses <sup>2</sup> ..... | 18        |
| Education 3140, 4010 .....                         | 6         |
| Educational Psychology 3000 .....                  | 3         |
| Reading 4050 .....                                 | 3         |
|                                                    | <u>30</u> |

| FOURTH YEAR                                                                      | SEM. HRS. |
|----------------------------------------------------------------------------------|-----------|
| Concentration-dependent courses <sup>2</sup> or electives <sup>3</sup> .....     | 9         |
| Education 3010 <sup>4</sup> , 3220 <sup>4</sup> , 4981 <sup>4</sup> , 4982 ..... | 15        |
| Educational Technology 3010 .....                                                | 3         |
|                                                                                  | <u>27</u> |

Total Semester Hours for Degree.....120

Footnotes:

<sup>1</sup> Selected to meet university core requirements.

<sup>2</sup> Refer to the concentration areas available within this degree.

<sup>3</sup> Electives may be used to pursue second teaching certification area.

<sup>4</sup> Must be taken concurrently.

## Music Education - Instrumental, Grades K-12

**Music Education-Instrumental, Grades K-12 Major Requirements:** (96 semester hours) Students seeking a major in Music Education-Instrumental, Grades K-12 must complete 96 semester hours of the 136-semester hour degree within the Music Education-Instrumental, Grades K-12 curriculum. Of the 96 hours, students must complete the following major requirements in performance pedagogy technique: 4 hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A; MUS 1840, 1860, 1880, 1890 and one of the following: 1850, 1870, 1920, 1930 and one of the following: MUS 1910, 1320, 1330, 1370, 1380, 1420, 1430, or 1700C for a total of 15 hours in performance pedagogy technique.

**Requirements for Graduation:** (a) minimum 2.5 overall grade point average, (b) minimum grade of “C” in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

### Curriculum for Music Education-Instrumental, Grades K-12 (327)

| FIRST YEAR                             | SEM. HRS. |
|----------------------------------------|-----------|
| Communication 1010.....                | 3         |
| English 1010, 1020.....                | 6         |
| Ensembles <sup>1</sup> .....           | 2         |
| Fine Arts 1040.....                    | 3         |
| Mathematics <sup>2</sup> .....         | 6         |
| Music 1150, 1151, 1160, 1161.....      | 6         |
| Music 1710 and 1500 each semester..... | 4         |
| Music Education 2020.....              | 3         |
| University Studies 1000.....           | 1         |
| Performance/Pedagogy technique.....    | 4         |
|                                        | <u>38</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Educational Psychology 2020.....              | 3         |
| English 2110.....                             | 3         |
| Ensembles <sup>1</sup> .....                  | 2         |
| History 2010 or 2020.....                     | 3         |
| Music 1710 and 1500 each semester.....        | 4         |
| Music 2030, 2040, 2150, 2151, 2160, 2161..... | 10        |
| Natural Sciences <sup>2</sup> .....           | 3         |
| Performance/Pedagogy technique.....           | 6         |
|                                               | <u>34</u> |

| THIRD YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| Educational Psychology 3000.....                    | 3         |
| Ensembles <sup>1</sup> .....                        | 2         |
| Music 3710 <sup>3</sup> and 1500 each semester..... | 4         |
| Music 3030, 3040, 3090, 3110.....                   | 8         |
| Music Education 3140, 4010, 4110.....               | 9         |
| Natural Sciences <sup>2</sup> .....                 | 3         |
| Performance/Pedagogy technique.....                 | 5         |
|                                                     | <u>34</u> |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Education 4931, 4932.....           | 15        |
| Ensembles <sup>1</sup> .....        | 1         |
| Music 3710 <sup>3</sup> .....       | 2         |
| Music Education 4460 or 4480.....   | 3         |
| Natural Sciences <sup>2</sup> ..... | 3         |
| Reading 4050.....                   | 3         |
| Social Science <sup>2</sup> .....   | 3         |
|                                     | <u>30</u> |

Total Semester Hours for Degree..... 136

#### Footnotes:

<sup>1</sup> Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.

<sup>2</sup> Selected to meet University core requirements.

<sup>3</sup> Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.

**NOTE:** All students enrolled in MUS 1710 and 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrumental category.

## Music Education - Vocal, Grades K-12

**Music Education-Vocal, Grades K-12 Major Requirements:** (95 semester hours) Students seeking a major in Music Education-Vocal, Grades K-12 must complete 95 semester hours of the 135-semester hour degree within the Music

Education-Vocal, Grades K-12 curriculum. Of the 95 hours, students must complete the following major requirements in performance pedagogy technique: 4 hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A; MUS 1210, 1220, 1230; MUED 4520; and 4 additional hours of MUS 1700A for a total of 14 hours in performance pedagogy technique.

**Requirements for Graduation:** (a) minimum 2.5 overall grade point average, (b) minimum grade of “C” in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

### Curriculum for Music Education-Vocal, Grades K-12 (328)

| FIRST YEAR                             | SEM. HRS. |
|----------------------------------------|-----------|
| Communication 1010.....                | 3         |
| English 1010, 1020.....                | 6         |
| Ensembles <sup>1</sup> .....           | 2         |
| Mathematics <sup>2</sup> .....         | 6         |
| Music 1150, 1151, 1160, 1161.....      | 6         |
| Music 1710 and 1500 each semester..... | 4         |
| Music Education 2020.....              | 3         |
| University Studies 1000.....           | 1         |
| Performance pedagogy technique.....    | 4         |
|                                        | <u>35</u> |

| SECOND YEAR                                   | SEM. HRS. |
|-----------------------------------------------|-----------|
| Educational Psychology 2020.....              | 3         |
| English 2110.....                             | 3         |
| Ensembles <sup>1</sup> .....                  | 2         |
| Fine Arts 1040.....                           | 3         |
| History 2010 or 2020.....                     | 3         |
| Music 1710 and 1500 each semester.....        | 4         |
| Music 2030, 2040, 2150, 2151, 2160, 2161..... | 10        |
| Natural Sciences <sup>2</sup> .....           | 3         |
| Performance pedagogy technique.....           | 2         |
|                                               | <u>33</u> |

| THIRD YEAR                                          | SEM. HRS. |
|-----------------------------------------------------|-----------|
| Educational Psychology 3000.....                    | 3         |
| Ensembles <sup>1</sup> .....                        | 2         |
| Music 3710 <sup>3</sup> and 1500 each semester..... | 4         |
| Music 3030, 3040, 3090, 3100, 4150.....             | 11        |
| Music Education 3140, 4010, 4110.....               | 9         |
| Natural Sciences <sup>2</sup> .....                 | 3         |
| Performance pedagogy technique.....                 | 5         |
|                                                     | <u>37</u> |

| FOURTH YEAR                         | SEM. HRS. |
|-------------------------------------|-----------|
| Education 4931, 4932.....           | 15        |
| Ensembles <sup>1</sup> .....        | 1         |
| Music 3710 <sup>3</sup> .....       | 2         |
| Natural Sciences <sup>2</sup> ..... | 3         |
| Performance pedagogy technique..... | 3         |
| Reading 4050.....                   | 3         |
| Social Science <sup>2</sup> .....   | 3         |
|                                     | <u>30</u> |

Total Semester Hours for Degree..... 135

#### Footnotes:

<sup>1</sup> Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty.

<sup>2</sup> Selected to meet University core requirements.

<sup>3</sup> Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.

**NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's voice category.

## Music Education - Vocal/Instrumental, Grades K-12

**Music Education-Vocal/Instrumental, Grades K-12 Major Requirements:** (128 semester hours) Students seeking a major in Music Education-Vocal/Instrumental, Grades K-12 must complete 128 semester hours of the 174-semester hour degree within the Music Education-Vocal/ Instrumental, Grades K-12 curriculum. Of the 128 hours, students must complete the following major requirements in performance pedagogy technique: 4 hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A; MUS 1210, 1220, 1230, 1840, 1860, 1880, 1890; MUED 4520; 4 additional hours in MUS 1700A; and one of the following: MUS 1850, 1870, 1920, 1930 for a total of 24 hours in performance pedagogy technique.

**Requirements for Graduation:** (a) minimum 2.5 overall grade point average, (b) minimum grade of "C" in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

### Curriculum for Music Education-Vocal/Instrumental, Grades K-12 (329)

| FIRST YEAR                              | SEM. HRS. |
|-----------------------------------------|-----------|
| English 1010, 1020 .....                | 6         |
| Ensembles <sup>1</sup> .....            | 4         |
| Mathematics <sup>2</sup> .....          | 6         |
| Music 1150, 1151, 1160, 1161 .....      | 6         |
| Music 1710 and 1500 each semester ..... | 8         |
| Music Education 2020 .....              | 3         |
| University Studies 1000 .....           | 1         |
| Performance pedagogy technique .....    | 4         |
|                                         | 38        |

| SECOND YEAR                                    | SEM. HRS. |
|------------------------------------------------|-----------|
| Communication 1010 .....                       | 3         |
| Educational Psychology 2020 .....              | 3         |
| Ensembles <sup>1</sup> .....                   | 4         |
| Fine Arts 1040 .....                           | 3         |
| History 2010 or 2020 .....                     | 3         |
| Music 1710 and 1500 each semester .....        | 8         |
| Music 2030, 2040, 2150, 2151, 2160, 2161 ..... | 10        |
| Performance pedagogy technique .....           | 5         |
|                                                | 39        |

| THIRD YEAR                               | SEM. HRS. |
|------------------------------------------|-----------|
| Educational Psychology 3000 .....        | 3         |
| Ensembles <sup>1</sup> .....             | 4         |
| Music 3710 and 1500 each semester .....  | 8         |
| Music 3030, 3040, 3090, 3110, 4150 ..... | 11        |
| Natural Sciences <sup>2</sup> .....      | 3         |
| Performance pedagogy technique .....     | 6         |
|                                          | 35        |

| FOURTH YEAR                                         | SEM. HRS. |
|-----------------------------------------------------|-----------|
| English 2110 .....                                  | 3         |
| Ensembles <sup>1</sup> .....                        | 1         |
| Music 3710, 3100 .....                              | 6         |
| Music Education 3140, 4110, 4010 <sup>3</sup> ..... | 12        |
| Natural Sciences <sup>2</sup> .....                 | 6         |
| Performance pedagogy technique .....                | 6         |
| Social Science <sup>2</sup> .....                   | 3         |
|                                                     | 37        |

| FIFTH YEAR                           | SEM. HRS. |
|--------------------------------------|-----------|
| Education 4931, 4932 .....           | 15        |
| Ensembles <sup>1</sup> .....         | 1         |
| Music Education 44460 or 4480 .....  | 3         |
| Performance pedagogy technique ..... | 3         |
| Reading 4050 .....                   | 3         |
|                                      | 25        |

Total Semester Hours for Degree..... 174

#### Footnotes:

<sup>1</sup> Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.

<sup>2</sup> Selected to meet University core requirements.

<sup>3</sup> Majors will take six hours of MUED 4010 for vocal and instrumental methods.

**NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

## Graduate Programs

### Master of Arts Programs

#### Adult Learning and Development (545)

- Adult and Workforce Development (545A)
- Homeland Security (545B)
- e-Learning (545C)
- English (545E)

#### Counseling (533)

- Clinical Mental Health Counseling (533A)
- School Counseling (533B)

#### Student Affairs in Higher Education (574)

#### Adult Learning and Development (545)

The program is designed for persons providing or managing adult learning activities in diverse settings such as workforce development, business, higher education, secondary education, e-learning, and government. The program consists of a minimum of 33-semester hours, including a 12-semester hour core, a 12-semester hour concentration area, a 3-semester hour support area, and a 6-semester hour application area. The program addresses the standards of the Commission of Professors of Adult Education. All courses are offered through distance learning delivery.

Foundation courses cover history and conditions of the profession, adult learning theory, program development, design of adult instruction. The research course focuses on data-driven activities for assessing the criteria, standards, and strategies that practitioners need to make sound, empirically supported professional decisions. The program concentration areas are adult and workforce development, homeland security, e-learning, and English.

Requirements for Adult Learning and Development in all concentration areas include 33 semester hours as follows:

- **Foundations:** Adult Learning and Development 5000, 5010; Education 5460, 5480.
- **Concentration Area:** 12 semester hours to be selected from courses in the candidate's area of concentration.
- **Support Area:** To be selected from courses that support the candidate's area of concentration.
- **Application Area:** Education 6050; Adult Learning and Development 6010 or Homeland Security 5900.

#### Available Concentrations:

##### Adult and Workforce Development (545A)

- **Foundations:** EDAL 5000, 5010; EDUC 5460, 5480.
- **Concentration Area:** EDAL 5100, 5120, 5130; EDUC 5170.
- **Support Area:** EDUC 5690.
- **Application Area:** EDAL 6010; EDUC 6050.



### **Homeland Security (545B)**

- Foundations: EDAL 5000, 5010; EDUC 5460, 5480.
- Concentration Area: Homeland Security 5050, 5150, 5400, 5550.
- Support Area: Homeland Security 5700.
- Application Area: EDAL 6010; EDUC 6050.

### **e-Learning (545C)**

- Foundations: EDAL 5000, 5010; EDUC 5460, 5480.
- Concentration Area: ETEC 5770, 5780, 5800, 6040.
- Support Area: EDUC 5690.
- Application Area: EDAL 6010; EDUC 6050.

### **English (545E)**

- Foundations: EDAL 5000, 5010; EDUC 5460, 5480.
- Concentration Area: ENGL (18 graduate hours).
- Application Area: EDUC 5840 or EDUC 6050.

### **Counseling (533)**

A Master of Arts degree in Counseling requires 60 semester hours of credit and requires a minimum of five semesters and two summers of enrollment. No teaching certification or particular undergraduate degree is required.

Requirements for Counseling in all concentration areas include 60 semester hours as follows:

- Foundation: Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.
- Concentration Area: Depends on concentration area.
- Support Area: Educational Psychology 5460, 5520.
- Application Area: Education 5950.

### **Available Concentrations:**

#### **Clinical Mental Health Counseling (533A)**

- Foundation: Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.
- Concentration Area: Counseling 5830, 5840, 5850, 5550, 5560 (6 hours).
- Support Area: Educational Psychology 5460, 5520.
- Application Area: Education 5950.

#### **School Counseling (533B)**

- Foundation: Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.
- Concentration Area: Counseling 5540, 5600, 5570, 5560 (6 hours); Education 5900.
- Support Area: Educational Psychology 5460, 5520.
- Application Area: Education 5950.

The Counseling Program at Northwestern University is designed to prepare graduates for professional practice in the field of counseling. There are two program concentration curricula in the Counseling Program (School Counseling and Clinical Mental Health Counseling). Graduates of both concentrations meet the current academic requirements for state licensure as a Licensed Professional Counselor (LPC) in Louisiana, as well as most other states, and requirements for the National Certified Counselor (NCC) credential. Graduates of the School Counseling concentration meet current requirements for Louisiana certification in school counseling and the National Certified School Counselor (NCSC) credential.

All students are required to pass a comprehensive examination near the end of their program and complete either a thesis or project-in-lieu of thesis.

Specific requirements: To be admitted to the Counseling program, prospective students must first have regular or conditional admission to the Graduate School at Northwestern State University. In addition to the application materials for

Graduate Studies, applicants must submit a completed application portfolio to the Counseling Program Admissions Committee which includes the following:

- a) A letter requesting consideration for program admission to a Counseling Program concentration (School Counseling or Clinical Mental Health Counseling), including the applicant's reasons for selecting that particular program concentration.
- b) A current resume including full name, address, phone numbers, e-mail address, academic experiences, prior related work experiences, degrees held, honors, awards, special interests, and other appropriate information.
- c) Three (3) reference forms from individuals familiar with the applicant's academic abilities and potential for success as a professional counselor.
- d) An autobiographical narrative showing evidence of life experiences and personal maturity indicating appropriateness for the counseling field.

Upon evaluation of program application portfolios, qualified applicants will be invited to participate in a mandatory admissions interview.

Students will be assigned a temporary advisor upon applying for admission. The temporary advisor will become the student's major professor after admission to the program unless the student requests otherwise. All courses are not offered every semester, and students should pay attention to both the prerequisites and the semester offered in planning their matriculation. Students are strongly urged to consult with their advisor before registering.

### **Student Affairs in Higher Education (574)**

The Master of Arts degree in Student Affairs in Higher Education (SAHE) is a 36-hour program offered online that prepares professionals for career opportunities in higher education. Grounded in the Council for the Advancement of Standards in Higher Education (CAS), SAHE provides a comprehensive set of criteria for which all student support programs can be judged by best practices in the field. Additionally, the program prepares students to develop knowledge, skills, and dispositions in accord with the American College Personnel Association (ACPA) and National Association for Student Personnel Administrators (NASPA) Professional Competency Areas for Student Affairs Educators.

The instructional design format for the SAHE online program is focused on a premise that promotes faculty-student, student-content, and student-student interactions. Students learn online using both asynchronous and synchronous delivery systems. Beyond the online environment, the SAHE curriculum requires the application of theory to practice through many direct experiences on campus environments.

Specific requirements: To be admitted to the SAHE program, prospective students must first have regular admission to the Graduate School at Northwestern State University. In addition to the application materials for Graduate School, applicants must submit a current resume and an autobiographical statement of purpose for pursuing graduate work in the student affairs field.

Requirements for Student Affairs in Higher Education includes 36 semester hours as follows:

#### **Core (30 hours)**

Student must complete 21 semester hours of Student Affairs in Higher Education courses: 5950, 5500, 5920, 5930, 5570, 5960, and 5970; six semester hours of Education courses: 5010 and 5850; and Counseling 5610.

## Electives (6 hours)

In coordination with their major professor, students may select two elective courses at the 5000-level or above in Counseling, Adult Education, Educational Technology, Health and Human Performance, or Special Education. This option allows students to tailor their studies to their interests or current or projected employment needs.

## Master of Arts in Teaching Degrees

Early Childhood Education, Grades PK–3 (548)

- Professional Studies (548A)

Elementary Education, Grades 1–5 (506)

- Professional Studies (506A)

Elementary Education & Special Education Mild/Moderate, Grades 1–5 (531)

- Professional Studies (531A)

Middle School Education, Grades 4–8 (507)

- Professional Studies (507A)

Middle School Education & Special Education Mild/Moderate, Grades 4–8 (541)

- Professional Studies (541A)

Secondary Education, Grades 6–12 (508)

- Professional Studies (508A)

Secondary Education & Special Education Mild/Moderate, Grades 6–12 (561)

- Professional Studies (561A)

## Early Childhood Education, Grades PK–3 (548)

- Professional Studies (548A)\***

Special requirements: Minimum of 39 semester hours.  
Special Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education 5840 (3 hours), Educational Technology 5610 (3 hours), Early Childhood Education 5010 (3 hours), 5530 (3 hours).
- Concentration Area:** Early Childhood Education 5570 (3 hours), 5580 (3 hours), 5560 (3 hours); Education 5450 (3 hours), 5451 (3 hours).
- Support Area:** Special Education 5510 (3 hours), Reading 5010 (3 hours), 5020 (3 hours), 5510 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship.

## Elementary Education, Grades 1–5 (506)

- Professional Studies (506A) \***

Special requirements: Admission to Alternate Certification Program.

- Foundations:** Education 5021 (3 hours), 5031 (3 hours), 5840 (3 hours), and Educational Technology 5610 (3 hours).
- Concentration Area:** Education 5601 (3 hours), 5611 (3 hours), 5410 (3 hours), and 5411 (3 hours), Reading 5030 (3 hours).
- Support Area:** Educational Psychology 5490 (3 hours), Special Education 5510 (3 hours), Reading 5110 (3 hours), 5510 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship (EDUC 5410)

## Elementary Education & Special Education Mild/Moderate, Grades 1 – 5 (531)\*

- Professional Studies (531A)**

Special requirements: minimum of 39 hours.

Specialized Academic Education: Admission to Alternate

Certification Program.

- Foundations:** EDUC 5021 (3 hours), EDUC 5031 (3 hours), EDUC 5840 (3 hours), and ETEC 5610 (3 hours).
- Concentration Area:** EDSP 5000 (3 hours), EDSP 5010 (3 hours), EDSP 5020 (3 hours), EDSP 5030 (3 hours), EDSP 5040 (3 hours), EDSP 5111 (3 hours), and EDSP 5121 (3 hours).
- Support Area:** RDG 5030 (3 hours), and RDG 5060 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship and certification in Louisiana.

## Middle School Education, Grades 4–8 (507)

- Professional Studies (507A)\***

Special requirements: Admission to Alternate Certification Program.

- Foundations:** Education 5021 (3 hours), 5031 (3 hours), 5840 (3 hours), and Educational Technology 5610 (3 hours).
- Concentration Area:** Education 5602 (3 hours), 5612 (3 hours), 5420 (3 hours), 5421 (3 hours), and Reading 5030 (3 hours).
- Support Area:** Educational Psychology 5490 (3 hours), Special Education 5510 (3 hours), Reading 5060 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship I (EDUC 5420).

## Middle School Education & Special Education Mild/ Moderate, Grades 4-8 (541)\*

- Professional Studies (541A)**

Special requirements: minimum of 39 hours.

Specialized Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education, 5021 (3 hours), 5031 (3 hours), 5840 (3 hours), and Educational Technology 5610 (3 hours).
- Concentration Area:** EDSP 5000 (3 hours), 5010 (3 hours), 5020 (3 hours), 5030 (3 hours), 5040 (3 hours), 5111 (3 hours), and 5121 (3 hours).
- Support Area:** RDG 5030 (3 hours), and 5060 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship and certification in Louisiana.

## Secondary Education, Grades 6–12 (508)

- Professional Studies (508A) \***

Special requirements: Admission to Alternate Certification Program.

- Foundations:** Education 5021 (3 hours), 5031 (3 hours), 5840 (3 hours), and Educational Technology 5610 (3 hours).
- Concentration Area:** Education 5602 (3 hours), 5612 (3 hours), 5430 (3 hours) and 5431 (3 hours).
- Support Area:** Educational Psychology, 5490 (3 hours), Special Education 5510 (3 hours), Reading 5060 (3 hours).

\* Passing score on PRAXIS II Pedagogy Test required for admission to Internship I (EDUC 5430).

## Secondary Education & Special Education Mild/Moderate, Grades 6-12 (561)\*

### • Professional Studies (561A)

Special requirements: minimum of 39 hours.

Specialized Academic Education: Admission to Alternate Certification Program.

- A. Foundations: Education 5021 (3 hours), 5031 (3 hours), 5840 (3 hours), and Educational Technology 5610 (3 hours).
- B. Concentration Area: EDSP 5000 (3 hours), 5010 (3 hours), 5020 (3 hours), 5030 (3 hours), 5040 (3 hours), 5111 (3 hours), and 5121 (3 hours).
- C. Support Area: RDG 5030 (3 hours), and 5060 (3 hours).

\* Passing scores on PRAXIS II Pedagogy Tests are required for admission to Internship and certification in Louisiana..

## Master of Education Degrees

### Curriculum and Instruction (504)

- Academic Content (504K)
- English as a Second Language (ESL) (504J)
- English Education (504C)
- Instructional Design (504L)
- Reading (504E)
- School Librarian (504H)
- Transition to Teaching (504I)

### Early Childhood Education (547)

### Educational Leadership (503)

### Educational Technology Leadership (502)

- Educational Technology Leadership for K-12 (502A)
- Educational Technology Leadership for Workforce Development (502B)

### Special Education (524)

- Gifted Education (524A)
- Early Intervention (524C)
- Elementary (Grades 1-5) Mild/Moderate Special Education (524D)
- Middle School (Grades 4-8) and Secondary (Grades 6-12) Mild/Moderate Special Education (524E)

## Curriculum and Instruction (504)

Requirements for Curriculum and Instruction in all concentration areas listed below include 36 semester hours as follows:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Concentration Area: To be selected from courses in the candidate's area of concentration.
- C. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.

### Available Concentrations:

#### • English as a Second Language (ESL) (504J)

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: English 5060 or 6600, 6640, 5540, 5240; 3 hour academic elective (5000 or 6000 level).

#### • English Education (504C)

Undergraduate preparation: valid teaching license.

Special Requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: English 5280; 12 additional hours of 5000/6000 level English courses.

#### • Reading (504E)

Undergraduate preparation: valid teaching license.

Special requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: Reading 5210, 5250, 5510 or 5110, 5710, and 6510.

#### • School Librarian (504H)

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: Library and Information Science 5020, 5030, 5050, 5070, 5180.

\* LIS 5100, offered to satisfy requirements for Louisiana State Library Science Certification, is available ONLY if all 15 other LIS hours have been completed.

#### • Transition to Teaching (504I)

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: Education 5650 or 5670, 5660 or 5680, 5371 or 5381, 5410 or 5420 or 5430; Educational Psychology 5480.

#### • Academic Content (504K)

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: 15 hours of graduate coursework in an academic content area.

#### • Instructional Design (504L)

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.
- B. Support Area: Education Curriculum and Instruction 5040, 5050, 5130.
- C. Concentration Area: Educational Technology 5710, 5760, 5770, 6 hours of academic electives.

## Early Childhood Education (547)

Undergraduate preparation: valid teaching license.

Special Requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: 15 hours to include: Early Childhood Education 5010 or 5510, 5520, 5530, 5540, 5550.
- C. Support Area: Early Childhood Education 5560, 5570, 5580.
- D. Application Area: 3 semester hours in Education 5850 or 5980.

## Educational Leadership (503)

Students must have regular or conditional admission into graduate school prior to enrolling in courses. In the final semester of coursework, students must pass a comprehensive final portfolio defense. Students wishing to obtain their state-approved School Leadership/Administration licensure endorsement must meet the passing requirements as outlined by their State Department of Education.

Prerequisite: valid teaching license. Special Requirements: minimum of 36 hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, 5850.

- B. Concentration Area: Educational Leadership 5200, 5300, 5400, 5500, 5600, 5700, and 5800.
- C. Application Area: Educational Leadership 6200.

### **Educational Technology Leadership (502)**

The Educational Technology Leadership master's degree program prepares individuals to serve as technology leaders in diverse settings and is aligned to current International Society for Technology in Education (ISTE) program standards. A total of 36 semester hours are required for the degree, regardless of which concentration is selected. All coursework is offered online, and students must have regular or conditional admission to the graduate school prior to enrolling in courses.

Special requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Depends on Concentration Area.
- C. Support Area: Depends on Concentration Area.
- D. Application Area: Educational Technology 6010; Education 5850.

#### **Available Concentrations:**

#### **Educational Technology Leadership for K – 12 Teaching and Learning (502A)**

This concentration is designed for licensed teachers and is aligned to the coursework requirements for Louisiana Department of Education add-on endorsements for 1) educational technology facilitation, 2) educational technology leadership, 3) online instructor, and 4) computer literacy. It prepares these teachers to assume the duties of technology leaders and provides them with experiences in technology planning and leadership, digital-age learning and tools, collaboration, research and emerging technologies, organizational change and improvement, and digital citizenship.

Prerequisite: valid teaching license.

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Educational Technology 5700, 5710, 5740, 5760, 5770.
- C. Support Area: Educational Technology 5780, 5790.
- D. Application Area: Educational Technology 6010; Education 5850.

#### **Educational Technology Leadership for Workforce Development (502B)**

This concentration is designed for professionals working outside a P-12 teaching capacity who wish to advance their technology application skills and serve in leadership roles where management, organization, and staff development related to technology are primary duties. The coursework includes topics like multimedia, telecommunications, technology leadership and planning, and adult learning and development. No teaching license is required.

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Educational Technology 5730, 5750, 5760, 5780, 5790.
- C. Support Area: 6 hours selected from Education Adult Learning and Development and approved by major professor.
- D. Application Area: Educational Technology 6010; Education 5850.

### **Special Education (524)**

Special requirements: Admission to this program requires a valid teaching certificate.

Requirements for Special Education in all concentration areas include 36 semester hours as follows:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration: Depends on Concentration Area.
- C. Support Area: Depends on Concentration Area.
- D. Application Area: Education 5850.

#### **Available Concentrations:**

- **Gifted Education (524A)**
  - A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
  - B. Concentration Area: Special Education 5830, 5840, 5860, 5870, 5890, 5900.
  - C. Support Area: Educational Technology 5710, Educational Technology 5760.
  - D. Application Area: Education 5850.
- **Early Intervention (524C)**
  - A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
  - B. Concentration Area: Special Education 5310, 5320, 5350, 5370, 5960.
  - C. Support Area: Reading 5020, 5710, 6510.
  - D. Application Area: Education 5850.
- **Elementary (Grades 1-5) Mild/Moderate Special Education (524D)**
  - A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
  - B. Concentration Area: Special Education 5380, 5600, Educational Psychology 5370, Reading 5710, 6510.
  - C. Support Area: Educational Technology 5710, Special Education 5350, 5960.
  - D. Application Area: Education 5850.
- **Middle School (Grades 4-8) and Secondary (Grades 6-12) Mild/Moderate Special Education (524E)**
  - A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
  - B. Concentration Area: Special Education 5380, 5600, Educational Psychology 5370, Reading 5250.
  - C. Support Area: Educational Technology 5710, Special Education 5350, 5960.
  - D. Application Area: Education 5850.

### **Educational Specialist Program**

#### **Educational Leadership and Instruction (582)**

- Educational Leadership (582I)
- Educational Technology (582H)
- Special Education (582G)

#### **(EDUCATIONAL SPECIALIST IN EDUCATIONAL LEADERSHIP AND INSTRUCTION)**

The purpose of the Educational Specialist (Ed.S.) degree is to provide a plan of organized advanced study for practitioners in the field of education who wish to develop a higher level of competency. The program makes possible greater depth of specialization than is offered at the master's level, and each program of study is designed to meet the specific and unique needs of a particular professional position.

## **Admission to the Specialist Degree Program**

**REGULAR ADMISSION** to a specialist degree program is defined as follows:

1. Master's degree from a recognized accredited college or university and a cumulative grade point average of at least 3.0 on all graduate work pursued;
2. Application on file with the Dean of the Graduate School;
3. Official transcripts on file prior to registration;
4. Minimum combined GRE score of 282 on the verbal and quantitative parts;
5. Valid teaching certificate, and
6. Two letters of recommendation from appropriate school and/or college officials on file prior to registration.

Degree-seeking applicants for the Specialist degree must have all documentation on file prior to acceptance to the degree program.

**CONDITIONAL ADMISSION** to a specialist degree program may be granted for the first 9 semester hours of approved graduate study for students whose combined verbal and quantitative GRE score is 280 or more, but less than 282.

Conditional status in a specialist degree program may be changed to regular status by earning 9 semester hours of approved graduate degree credit at Northwestern State University with a grade of "B" or better on all graduate work pursued. Failure to achieve regular status after 9 graduate semester hours will result in suspension from the specialist degree program.

## **Requirements for the Specialist Degree**

When a student is admitted to graduate study for the Educational Specialist degree, the Dean of the Graduate School will approve an advisory committee composed of the student's major professor and three other graduate faculty members; members of the student's committee will represent the principal fields of study to be included in the degree program. The committee must approve a degree program for the student in the first semester of enrollment before the student may register for additional work toward the Educational Specialist degree. This plan of study and any modifications to it, including committee changes, require the PRIOR approval of the Dean of the Graduate School.

## **General Degree Requirements**

Degree candidates must complete a unified program of at least 63 semester hours of graduate credit above the bachelor's degree, including a minimum of 30 semester hours in addition to master's degree requirements.

For classroom teachers, the degree program must include a minimum of 24 semester hours of credit in professional education, 24 semester hours of credit in the teaching field(s) of the student, and an additional 12 semester hours to be selected to meet the specific needs of the student.

For school-service personnel, the degree is intended to meet the peculiar and special requirements for each type of position. A thesis, or field study at Northwestern State University must be completed, if a thesis or field study was not completed at the master's level.

A comprehensive examination, written, oral, or both, will be required of each degree candidate.

A student must earn a minimum average of senior "B" on all graduate work attempted. No course in which a grade lower than "B" is received may be included as part of the 30 semester hours required beyond the master's degree.

## **Admission Requirements to Candidacy**

For each plan of study, the program designates specific courses which must be included.

To be eligible for admission to candidacy for the specialist's degree, a student must:

- Have been admitted officially to the program;
- Have an approved major professor and committee form on file;
- Have completed a minimum of 12 semester hours of graduate work, beyond the master's degree, at Northwestern State University;
- Have earned a grade of B or better on all graduate work pursued.

## **Residence Requirement/Transfer Credit**

A maximum of nine semester hours of graduate credit at a recognized accredited college or university may be included as part of the required 30 semester hours beyond the master's degree providing the institution is a recognized accredited institution, the grade earned is "B" or above, and the course is completed within the six-year time limit.

## **Educational Leadership and Instruction (582)**

The Educational Specialist (Ed.S.) degree in Educational Leadership and Instruction is a minimum of 30-hours beyond the Master's degree. Pending the applicant's transcript evaluation, additional coursework may be required. All applicants are required to be certified teachers and meet regular or conditional admission requirements to NSU's Graduate School. For transfer or earned credit at NSU, course grades of only an "A" or "B" will count toward degree requirements. Prerequisites include graduate level courses in Curriculum Development or Curriculum and Instruction (3-hours) and Instructional Improvement and Assessment or Educational Philosophy and Leadership (3 hours).

### **Available Concentrations:**

Educational Leadership (582I)

Educational Technology (582H)

Special Education (582G)

Core requirements for the Educational Specialist include 15-hours of graduate credit as follows: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours).

**Educational Leadership Concentration (582I)** The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Educational Leadership is designed to meet the needs of both teachers and administrative school leaders. The program is designed for both those with a master's in Educational Leadership or another program area. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6 hours)

Educational Leadership Concentration: Educational Leadership and related courses (24-hours)

**Educational Technology Concentration (582H)** The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Educational Technology is a professional degree designed to provide advanced educational preparation for persons who have demonstrated superior qualifications for using or managing technology in educational settings. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours)

Educational Technology Concentration: Educational Technology and related courses (24-hours)

**Special Education Concentration (582G)** The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Special Education allows certified teachers to specialize in one of five areas: Early Intervention, Educational Diagnostician, Gifted, Mild/ Moderate Elementary or Mild/Moderate Middle School and High School. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours)

Special Education Concentration: Special Education and related courses (24-hours)

## **Educational Doctoral Program**

### Adult Learning and Development (925)

- Adult Learning and Workforce Development (925B)
- Community College Leadership (925A)

The Doctor of Education (Ed.D.) in Adult Learning and Development focuses on the needs of developing community college leaders and preparing practitioners to work with adult learners and workforce development. Graduates will be qualified to assume advanced leadership roles in areas of community college leadership, workforce development, post-secondary education, adult learning and development, scholarship, and other areas in which adult learning occurs.

The program offers a Doctor of Education (Ed.D.) degree for students who intend to pursue or advance their careers in the professional practice of adult learning and development or post-secondary leadership. The Doctor of Education is a practitioner degree program that prepares students for the advanced practice of adult learning and leadership across the following domains: teaching and learning, curriculum and instructional design, adult development, workforce development, program management and planning, organizational change, and community college leadership.

Two concentrations are available: Community College Leadership and Adult Learning and Workforce Development.

### Admission and Application Requirements

The Doctor of Education Program admits students through a selective, competitive application and interview process. Admission requirements are in accordance with Northwestern State University's Graduate School requirements found in the Northwestern catalog, with the addition of the following application components and admission requirements\*:

#### Additional Application Components

- Resume or curriculum vitae;
- Essay writing sample - Must be a research-based paper;
- Statement of purpose - Student's reason for applying and preparation for the program; strengths and experiences that are relevant; and how the program can help the student realize expectations and goals;
- Three letters of recommendation - Must be from people who have supervised applicant in academic, employment, or other similar setting.

Selected applicants who meet the admission requirements will be invited to interview with the Doctoral Admission Committee.

### Additional Admission Requirements and Policies

All requirements for admission to the Graduate School and master's degree, plus:

- Earned master's degree from a recognized accredited college or university with a minimum cumulative grade point average of 3.0;
- GRE requirements are waived if applicant earned a master's degree with a minimum cumulative grade point average of 3.5;
- There is no conditional or provisional admission to the Doctor of Education;
- Applicants must have all application components on file and meet all admission criteria prior to acceptance to the doctoral program;
- Any defined special requirements of the department for the degree to be pursued.

\* Meeting all application and admission requirements does not guarantee acceptance into the doctoral program.

### General Degree and Graduation Requirements

Degree candidates must successfully complete the doctoral program of 63 semester hours above the master's degree, which includes 12 semester hours in a concentration and a minimum of 9 semester hours dissertation credit. Additional dissertation hours may be required beyond the required 63 semester hours. No course with a grade lower than "B" may be used to satisfy a course requirement for the Doctor of Education degree.

A preliminary examination, comprehensive examination, dissertation prospectus, dissertation proposal, and an approved dissertation must be completed with a satisfactory oral defense.

### Residence Requirement/Transfer Credit

At least two-thirds of the required hours for the Doctor of Education, not including dissertation credit, must be earned at Northwestern. Dissertation credit may not be transferred from another institution. The additional hours required for the degree, other than dissertation, may be transferred from another institution provided the institution, including its Graduate School, is a recognized accredited institution, the grade earned is B or above, the course is completed within the six years immediately preceding the application to the Doctor of Education program at Northwestern, the student is/was in good standing in a doctoral program at the transferring institution(s), and the credits are accepted as applicable to the student's degree program. Transfer credit not completed within six years of application to the Doctor of Education program may be considered for transfer if all other transfer criteria are met and the student demonstrates current knowledge of course content. Course syllabi for potential transfer courses must be submitted with the transfer request. The Dean of the Graduate School must approve the method by which the student demonstrates current knowledge. All other transfer credit policies of the Northwestern Graduate School apply to the Doctor of Education.

### Applying Credit from Other Graduate Degree Programs

A student seeking the Doctor of Education may be allowed to apply from a previous graduate degree or graduate degree program a maximum of 12 credit hours to the Doctor of Education. The request to apply other degree credit must be made to the Graduate School and an appropriate course description and syllabus must accompany the request.

All requests to apply credits must be reviewed and approved before adding to a plan of study. Applied credits submitted with an application to graduate study and intended to meet degree requirements must be reviewed by the major professor and college dean and approved by the Dean of the Graduate School within the first term of enrollment. Graduate credits applied from other graduate work may not be used to satisfy admission requirements or to raise a student's GPA to meet regular admission requirements and must meet the same criteria as transfer credit.

### **Other Policies, Requirements, and Procedures**

All other relevant policies, requirements, and procedures listed in the Northwestern catalog for the Graduate School and master's degree programs apply to the Doctor of Education.

### **Dissertation Process and Advising**

#### **Selection of the Major Advisor, Dissertation Advisory Committee Chair, and Dissertation Committee**

Students will be assigned a major advisor as soon as possible during the first year of doctoral work. The major advisor will be selected from program faculty or administration and will also serve as the advisory/dissertation committee chair. A student advisory/dissertation committee, approved by the Dean of the Graduate School, will be assigned to the student by the end of the first year of doctoral coursework. The committee is comprised of the student's major advisor and two additional faculty members and will guide the student through the doctoral studies and research. The three committee members will represent relevant disciplines to best support student research goals and interest and must be members of the NSU Graduate Faculty or be eligible for temporary membership as graduate faculty of NSU. When appropriate, an off-campus expert may be named as a fourth committee member. Given the online format of the program, all meetings between the student and the major advisor or committee may be either face-to-face or virtual, based on the needs of the student. Students will have input in the selection of their committees, although the program director and Dean of the Graduate School will determine final assignments.

#### **Dissertation Prospectus**

Near the end of coursework, the student will write a dissertation prospectus, which will be sent to the committee for approval. The approved prospectus will function as the guide for the development of the dissertation proposal and dissertation.

#### **Preliminary and Comprehensive Examinations**

Students will participate in both qualifying/preliminary and comprehensive examinations. The qualifying/preliminary examination will be given by the end of the student's third semester and will consist of both oral and written components. The nature of this examination is developmental and provides the student and committee the opportunity to reflect on program progress to date, propose the plan of study for the remainder of the program, and discuss potential research interests. The comprehensive examination also includes both written and oral components and will be completed near the end of the student's coursework and before the dissertation phase. The purpose of this examination is to determine the student's development to date and to assess the student's readiness for the final phases of the program.

### **Dissertation Proposal and Candidacy**

After the committee approves the prospectus and the student successfully completes the comprehensive examination, the student constructs a dissertation proposal under the direction of the committee chair. A minimum of 9 hours of dissertation coursework is required for graduation, and a student may not take more than six hours of dissertation coursework in any single semester. The proposal consists of the first three chapters of the dissertation and serves as the point of transition to writing the dissertation. When the committee chair approves the proposal, it is forwarded to the committee and the oral defense of the proposal is scheduled. Once the committee approves the proposal, the student advances to candidacy status.

### **Dissertation Writing and Defense**

The dissertation is written under the primary guidance of the major advisor with input from committee members. The format of the dissertation may vary with the research topic and method and must be approved by the major advisor. The advisor and committee provide guidance on the dissertation structure, content, research and analysis methods, and set expectations for quality and timely completion. Once the committee chair and members feel the dissertation is substantially complete, the dissertation defense will be scheduled. The dissertation defense will commonly be an oral presentation of the dissertation by the student and discussion and questions by the committee members. However, the exact nature and format of the dissertation defense may vary with research topic and method and will be determined by the committee chair. The committee will deliberate on the presentation and defense and issue a decision on the status of the dissertation. Possible results include: rejection of the dissertation, conditional approval with significant changes, approval pending recommended changes, or unqualified approval.

### **Adult Learning and Development (925)**

- A. Foundation: Education-Adult Learning (EDAL) 7000, 7010, 7030, 7050; Education (EDUC) 7020, 7040, 7060. (21 hours).
- B. Electives and Support: Education (EDUC) 7160; Elective from any approved NSU 3-hour graduate course (6 hours).
- C. Application: Education-Adult Learning (EDAL) 7170.
- D. Research & Analysis: Education-Adult Learning (EDAL) 7100, 7110, 7120, 7130. (12 hours).
- E. Dissertation: Education (EDUC) 7180 (6 hours), 7181 (3 hours).
- F. Concentration: Depends on Concentration Area (12 hours).
  - Adult Learning and Workforce Development (925B): Education-Adult Learning (EDAL) 7400, 7410; Education (EDUC) 7420, 7430.
  - Community College Leadership (925A): Education-Adult Learning (EDAL) 7300, 7310, 7320; Education (EDUC) 7330.

# SCHOOL OF KINESIOLOGY

108 Health and Human Performance Building  
318-357-5126  
hhp@nsula.edu

**Director:** Tara Tietjen-Smith, *Professor*

*Professor Emeritus:* William I. Dickens

*Professor:* Moulton

*Assistant Professors:* Calhoun, Jeon, Blount, Mitchell

*Instructors:* S. Hicks, Lucas

## Degree Programs Available Through the School of Kinesiology:

Bachelor of Science programs in Health and Exercise Science with concentration in kinesiology, pre-athletic training, pre-occupational therapy, pre-physical therapy; Health and Physical Education, Grades K-12; Sport and Recreation Management

Master of Science program in Health and Exercise Science (see associated concentrations)

## Accreditation:

The Physical Education Teaching Program is fully accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496 and by the National Association for Sport and Physical Education, 1900 Association Drive, Reston, Virginia 20191.

## Health and Exercise Science

**Health and Exercise Science Major Requirements:** (78 semester hours) Students seeking a major in Health & Exercise Science must complete 56 semester specified major courses and the concentration courses for a total of (63 semester hours for 377B, 66 semester hours for 377O, 74 semester hours for 377P, 59 semester hours for 377K) within the 120-semester hour Health & Exercise Science curriculum. These hours include 24 semester hours of Health Education courses (HED 1010, 1090, 2010, 3000, 3100, 4000, 4500, and 4600); 28 semester hours of Human Performance courses (HP 2000, 2630, 3550, 3560, 4170, 4180, 4200, 4500, and 4660); 4 semester hours of Human Performance Activity Courses (Selected from HP 1120, 1180, 1290, 1310, 1350, 1370, 1510, 1550, 1580, 1660, 1670). Students will also complete required related courses for each concentration to complete the major requirements. Students will also complete 3-9 semester hours of electives.

A minimum grade of "C" is required in all Health and Exercise Science major requirements and each prerequisite course.

**Requirements for Graduation:** (a) minimum 2.50 adjusted major grade point average, (b) minimum grade of "C" in each course applied to University Core Requirements and the School of Kinesiology Departmental Requirements, including advisor approved electives.

**Physical Education, Sport, & Leisure Management Minor Requirements:** (19 semester hours) Students seeking a minor in Physical Education, Sport, & Leisure Management must take Health Education 1010, 4000, 4600; Human Performance 1550, 2000, 4300; Choice of 1 activity course (2 hours) selected from Human Performance 1180, 1290, 1310, 1370, 1510, 1660, 1670.

**Coaching Athletics Minor Requirements:** (18 semester hours) HP 2630, 4370, 4500, 4660; Choose 2 of the following: HED 2010, HED 3100, HP 3310, HP 3300, HP 3320, HED 4000.

## Available Concentration:

**Kinesiology (377K):** 59 semester hours are required for this concentration. Biology 1010-1011; Biology 2250-2251 or 3310-3311; Biology 2260-2261 or 3320-3321; Health Education 1010, 1090, 2010, 3000, 3100, 4000, 4500, 4600; Human Performance 2000, 2630, 3550, 3560, 4170, 4180, 4200, 4230, 4500, 4660. A minimum grade of a "C" is required in all Kinesiology courses.

**Pre-Athletic Training (377B):** In addition to the Math sequence of 1020 and 1090, 24 semester hours of prerequisite courses are required for admission to most Graduate Athletic training programs. BIOL 1010-1011, BIOL 1060, COMM 1010, HED 2010, PSYC 4450, CHEM 1030-1031, and PHYS 2030-2031. A minimum grade of "C" is required in all Pre-Athletic Training courses.

**Pre-Occupational Therapy (377O):** In addition to the Math sequence of 1020 and 1090, 30 semester hours of prerequisite courses are required for admission to most Occupational Therapy Programs: Biology 1060, Biology 2250 – 2251 or 3310-3311, Biology 2260 – 2261 or 3320-3321, Human Performance 2630, Statistics (either Psychology 4400 or Mathematics 2050), Psychology 2050 and Psychology 4450, Chemistry 1070, Physics 2030-2031, Sociology 1010. A minimum grade of "C" is required in all Pre-Occupational Therapy courses.

**Pre-Physical Therapy (377P):** In addition to the Math sequence of 1020 and 1090, 41 semester hours of prerequisite courses are required for admission to most Physical Therapy programs: Biology 1010-1011, Biology 1020-1021, Biology 1060, Biology 2250 – 2251 or 3310-3311, Biology 2260 – 2261 or 3320-3321, advanced biology (choose from Biology 2210, Biology 3170 or Biology 3250); Chemistry 1030-1031, Chemistry 1040-1041, Physics 2030-2031, Physics 2040-2041, and Psychology 4450. A minimum grade of "C" is required in all Pre-Physical Therapy courses.

## Curriculum for Health and Exercise Science (377)

| FIRST YEAR                                                        | SEM. HRS. |
|-------------------------------------------------------------------|-----------|
| English 1010, 1020.....                                           | 6         |
| Math 1020 or 1035, 1060 or 10901.....                             | 6         |
| History 1010 or 1020 or 2010 or 2020.....                         | 3         |
| Science 1010 or Chemistry 1030 or 1040 or 1070 <sup>2</sup> ..... | 3         |
| BIOL 1010-1011.....                                               | 4         |
| Health Education 1090.....                                        | 3         |
| PSYC 1010 or 2050 <sup>3</sup> .....                              | 3         |
| HP 2000.....                                                      | 3         |
| University Studies 1000.....                                      | 1         |
|                                                                   | 32        |



| SECOND YEAR                                                         | SEM. HRS. |
|---------------------------------------------------------------------|-----------|
| Biology 2250-2251 or 3310-3311, Biology 2260-2261 or 3320-3321..... | 8         |
| English 2110.....                                                   | 3         |
| Communication 1010 or 2500 <sup>4</sup> .....                       | 3         |
| Social Science <sup>5</sup> .....                                   | 3         |
| Health Education 1010, 3100.....                                    | 6         |
| Human Performance 2630.....                                         | 3         |
| Elective <sup>6</sup> .....                                         | 3         |
| FA 1040.....                                                        | 3         |
|                                                                     | 32        |
| THIRD YEAR                                                          | SEM. HRS. |
| Human Performance 3550, 3560, 4660.....                             | 9         |
| Health Education 2010, 3000, 4600.....                              | 9         |
| English 3210 or 3230.....                                           | 3         |
| Psychology 2450 or 4450 <sup>3</sup> .....                          | 3         |
| Elective <sup>6</sup> .....                                         | 3         |
| Human Performance Activity Course.....                              | 2         |
|                                                                     | 29        |
| FOURTH YEAR                                                         | SEM. HRS. |
| Human Performance 4170, 4180, 4200, 4500.....                       | 13        |
| Health Education 4000, 4500.....                                    | 6         |
| Psychology 4400 or MATH 2050.....                                   | 3         |
| Human Performance Activity Course.....                              | 2         |
| Elective <sup>6</sup> .....                                         | 3         |
|                                                                     | 27        |
| Total Semester Hours for Degree.....                                | 120       |

**Footnotes:**

- <sup>1</sup> Mathematics requirements may vary based on concentration (i.e., Kinesiology, Pre-Physical Therapy, Pre-Occupational Therapy, Pre-Athletic Training). Please consult your Academic Advisor.
- <sup>2</sup> Science requirements may vary based on concentration. Please consult your Academic Advisor.
- <sup>3</sup> Psychology requirements may vary based on concentration. Please consult your Academic Advisor.
- <sup>4</sup> Communication requirements may vary based on concentration. Please consult your Academic Advisor.
- <sup>5</sup> Refer to University Core requirements for Social Sciences.
- <sup>6</sup> Electives requirements may vary based on concentration. Please consult your Academic Advisor.

## Health and Physical Education, Grades K-12

**Health and Physical Education, Grades K-12 Major Requirements:** Students seeking a major in Health & Physical Education, Grades K-12 must complete the following hours within the content area: Human Performance 2000, 2630, 3550, 3560, 4000, 4170, 4500, 4960; Health Education 1010, 1090, 2010, 3100, 4000, 4500, 4600, and 4880. Students must also complete the following courses within the School of Education: Education 2020, 3140, 3210 or 3220, 4921, 4922; Educational Psychology 2020, 3000; Reading 4050; and Special Education 3460.

**Requirements for Graduation:** (a) minimum 2.50 overall grade point average, (b) minimum grade of “C” in each course applied to University Core Requirements and departmental requirements for both the School of Kinesiology and the School of Education, including advisor approved electives and substitutions.

### Add-On Endorsement in Adapted Physical Education:

The University offers coursework to apply for a teaching endorsement in Adapted Physical Education. A valid Louisiana teaching certificate is required to apply for the add-on endorsement. Further information is available at <https://www.nsula.edu/hhp/>.

## Curriculum for Health and Physical Education, Grades K-12 (378)

| FIRST YEAR                                                                                         | SEM. HRS. |
|----------------------------------------------------------------------------------------------------|-----------|
| Anthropology 1510, Economics 2000, Geography 1010, Philosophy 1010, or Political Science 2010..... | 3         |
| Chemistry 1070 or Science 1010.....                                                                | 3         |
| Education 2020.....                                                                                | 3         |
| English 1010, 1020.....                                                                            | 6         |
| Fine Arts 1040.....                                                                                | 3         |
| Health Education 1090.....                                                                         | 3         |
| History 2010 or 2020.....                                                                          | 3         |
| Mathematics 1020 or 1035, 1060 or 1090 or 2010.....                                                | 6         |
| University Studies 1000.....                                                                       | 1         |
|                                                                                                    | 31        |

| SECOND YEAR                             | SEM. HRS. |
|-----------------------------------------|-----------|
| Biology 2250-2251, 2260-2261.....       | 8         |
| Communication 1010, 2050, or 2500.....  | 3         |
| Educational Psychology 2020.....        | 3         |
| Health Education 2010, 3100, 4000.....  | 9         |
| Human Performance 2000, 2630, 4170..... | 9         |
|                                         | 32        |

| THIRD YEAR                              | SEM. HRS. |
|-----------------------------------------|-----------|
| Education 3140.....                     | 3         |
| Educational Psychology 3000.....        | 3         |
| English 2110.....                       | 3         |
| Health Education 1010, 4500, 4880.....  | 9         |
| Human Performance 3550, 3560, 4960..... | 9         |
| Reading 4050.....                       | 3         |
| Special Education 3460.....             | 3         |
|                                         | 33        |

| FOURTH YEAR                             | SEM. HRS. |
|-----------------------------------------|-----------|
| Education 3210 or 3220, 4921, 4922..... | 15        |
| Health Education 4600.....              | 3         |
| Human Performance 4000, 4500.....       | 6         |
|                                         | 24        |

Total Semester Hours for Degree..... 120

## Sport and Recreation Management

### Sport and Recreation Management Major Requirements:

Students seeking a major in Sport and Recreation Management must complete 70 semester hours within the 120 semester hour Sport and Recreation Management curriculum. These hours include 28 hours of Human Performance 2000, 3300, 3310, 3320, 4180, 4200, 4410, 4430, 4470: 6 hours of Human Performance 4300, 4370 or 4400: 3 hours of Health Education 1010: 3 hours from Health Education 4500 or 4600 or Human Performance 4500 or 4660: 24 hours of required related courses which includes ACCT 2000, ECON 2010, BLAW 2250, BUAD 1800, 2200, MKTG 3230, MGT 3220, and COMM 2110 or 3500: 3 hours from BUAD 4190, MKTG 4200, or MKTG 4600; and 3 hours from ENGL 3210 or 3230; and 10 hours of electives.

Successful applicants of the Bachelor of Science in Sport and Recreation Management program may also meet the requirements for a minor in Business Administration. Students must declare the minor before graduating in the degree program.

**Requirements for Graduation:** (a) minimum 2.50 overall grade point average, (b) minimum grade of “C” in each course applied to University Core Requirements and departmental requirements for both the School of Kinesiology and the School of Business, including advisor approved electives and substitutions.

## Curriculum for Sport and Recreation Management, (379)

| FIRST YEAR                                                | SEM. HRS. |
|-----------------------------------------------------------|-----------|
| English 1010, 1020 .....                                  | 6         |
| Math 1020 or 1035, 1060 or 1090 .....                     | 6         |
| Health Education 1010 .....                               | 3         |
| Fine Arts 1040 .....                                      | 3         |
| Business Administration 1800 .....                        | 3         |
| Communication 1010 .....                                  | 3         |
| University Studies 1000 .....                             | 1         |
| 1 from Science 1010, 2010; or CHEM 1030, 1040, 1070 ..... | 3         |
| Human Performance 2000 .....                              | 3         |
|                                                           | <u>31</u> |

| SECOND YEAR                                              | SEM. HRS. |
|----------------------------------------------------------|-----------|
| Biology 1010 or Science 1020 .....                       | 3         |
| 1 from Science 2020, Biology 2250, or Biology 2260 ..... | 3         |
| Accounting 2000 .....                                    | 3         |
| English 2110 .....                                       | 3         |
| Human Performance 3320 .....                             | 3         |
| Economics 2000, 2010 .....                               | 6         |
| Business Administration 2200 .....                       | 3         |
| 1 from Health Education 4500 or 4600; or                 |           |
| Human Performance 4500 or 4660 .....                     | 3         |
| 1 from Psychology 1010 or 2050 .....                     | 3         |
|                                                          | <u>30</u> |

| THIRD YEAR                                      | SEM. HRS. |
|-------------------------------------------------|-----------|
| English 3210 or 3230 .....                      | 3         |
| Human Performance 3300, 3310 .....              | 6         |
| Communication 2110 or 3500 .....                | 3         |
| 2 from Human Performance 4300, 4350, 4400 ..... | 6         |
| Business Law 2250 .....                         | 3         |
| Management 3220 .....                           | 3         |
| Marketing 3230 .....                            | 3         |
| 1 from History 1010, 1020, 2010, 2020 .....     | 3         |
|                                                 | <u>30</u> |

| FOURTH YEAR                                                  | SEM. HRS. |
|--------------------------------------------------------------|-----------|
| Human Performance 4180, 4200, 4410, 4430, 4470 .....         | 16        |
| Business Administration 4190 or Marketing 4200 or 4600 ..... | 3         |
| Electives .....                                              | 10        |
|                                                              | <u>29</u> |

Total Semester Hours for Degree..... 120

## Master of Science Program in: Health and Human Performance (577)

## Graduate Program

**Degree Requirements:** Minimum of 30 semester hours.

### Available Concentrations:

#### Sport Administration (577A)

- Foundations: (9 semester hours) Human Performance 5000, 5020, 5150.
- Concentration: (18 semester hours) Human Performance 5120, 5130, 5160, 5190, 5220, 5140.
- Application: (3 semester hours) Human Performance 5690 or 5990.

#### Public Health (577D)

- Foundations: (6 semester hours) Health Education or Human Performance 5000 and 5020.
- Concentration: (21 semester hours) Health Education 5100, 5200, 5250, 5300, 5400, 5470, 5600.
- Application: (3 semester hours) Health Education 5370 or 5990.

#### Exercise Physiology (577E)

- Foundations: (6 semester hours) Human Performance 5000, 5020.
- Concentration: (21 semester hours) Health Education 5200 or Health Education 5600, Health Education 5470, 5450 Human Performance 5170, 5340, 5360, 5450, 5620.
- Application: (3 semester hours) Human Performance 5690 or 5990.

## Accelerated Bachelor of Arts and Master of Arts Program:

- Bachelor of Arts in Liberal Arts with a Concentration in Scientific Inquiry (820A) and a Master of Science in Health and Human Performance with a Concentration in Public Health (577D)
- Bachelor of Science in Health and Exercise Science Joint Major (877) and Master of Science in Health and Human Performance with a Concentration in Public Health (577D)
- Bachelor of Arts in Liberal Arts with a Concentration in Business, Technology, and Society (820I) and a Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)
- Bachelor of Science in Sport and Recreation Management (879) and Master of Science in Health and Human Performance with a Concentration in Sport Administration (577A)

These combined programs offer qualified students of the Louisiana Scholars' College an accelerated curriculum that allows them to earn both a bachelor's and master's degree in five years. Students may apply for formal admission to the program in their junior year. If accepted into the program, students can begin taking graduate courses in their senior year. After completing all the requirements of the program, the student will be awarded both the B.A. or B.S. and M.A. Complete curriculum, and admission requirements are found within the Louisiana Scholars' chapter.

# DEPARTMENT OF MILITARY SCIENCE

103 Gov. James A. Noe Armory  
318-357-5157  
nsurotc@nsula.edu

## U.S. Army Reserve Officers' Training Corps, Military Science and Leadership

**Department Head:** CPT Armando Lopez Jr., MS

*Assistant Professor of Military Science:* CPT Armando Lopez Jr., MS

*Military Instructor:* Mr. Fred R. Flurry

### U.S. Army Reserve Officers' Training Corps

#### Purpose

The Senior U.S. Army Reserve Officers' Training Corps (ROTC) program at NSU is voluntary. Successful completion of ROTC will qualify students for commission as officers in the U.S. Army, the Army Reserve, or the Army National Guard upon graduation from the University.

#### **Army ROTC Program Requirements:**

| FIRST YEAR            | SEM. HRS. |
|-----------------------|-----------|
| MSL 1010 (Class)..... | 1         |
| MSL 1011 (Lab).....   | 1         |
| MSL 1020 (Class)..... | 1         |
| MSL 1021 (Lab).....   | 1         |
| MSL 2030 (PT).....    | 2         |
|                       | 6         |

| SECOND YEAR           | SEM. HRS. |
|-----------------------|-----------|
| MSL 2010 (Class)..... | 2         |
| MSL 2011 (Lab).....   | 1         |
| MSL 2020 (Class)..... | 2         |
| MSL 2021 (Lab).....   | 1         |
|                       | 6         |

| THIRD YEAR                        | SEM. HRS. |
|-----------------------------------|-----------|
| MSL 3010 (Class).....             | 3         |
| MSL 3011 (Lab).....               | 1         |
| MSL 3020 (Class).....             | 3         |
| MSL 3021 (Lab).....               | 1         |
| HIST 3240 (Military History)..... | 3         |
|                                   | 11        |

| FOURTH YEAR           | SEM. HRS. |
|-----------------------|-----------|
| MSL 3040 (PT).....    | 3         |
| MSL 4010 (Class)..... | 3         |
| MSL 4011 (Lab).....   | 1         |
| MSL 4020 (Class)..... | 3         |
| MSL 4021 (Lab).....   | 1         |
|                       | 11        |

#### **Four-year Program**

The four-year program is divided into two segments: (1) the Basic Course, which is the first 2 years, and (2) the Advanced Course, which is the last 2 years and includes Advanced Camp.

The Basic Course consists of classroom instruction for a minimum of 1 hour, 2 hours of laboratory, and three 1-hour sessions of physical training per week. Students enrolled in the Basic Course do not incur a commitment to the military.

The Advanced Course consists of classroom instruction for a minimum of 3 hours per week, 2 hours of laboratory, and attendance at a 5-week summer camp at Fort Knox, KY., normally between the junior and senior academic years.

Advanced Course students are required to participate in three 1-hour sessions of physical training per week. Also, Advanced Course students must successfully complete at least one course from each of the following academic areas: Written Communications Skills; Military History; Computer Literacy; Mathematics; and Human Behavior (Social Sciences or Psychology). Specific requirements are available from the Department of Military Science.

#### **Two-year Program**

The 2-year program allows qualified sophomores, juniors, and seniors interested in pursuing a master's degree, to enter the Advanced Course in one of five ways:

1. Completion of Basic Camp in the summer before their junior year.
2. Honorably discharged prior service students, who were eligible to reenlist and will be under the age 30 on the date of commissioning/graduation.
3. Current members of the Army Reserve or Army National Guard who enroll in the Simultaneous Membership Program (SMP).
4. Accelerated Cadet Commissioning Training (ACCT).
5. Alternate Entry Option (AEO).

#### **Military Leadership Minor Requirements**

The Department of Military Science also offers a minor in Military Leadership, which is open to any NSULA student. Students pursuing only the minor do not incur a commitment to the military. The Military Leadership minor is earned by completing a total of 19 semester hours of Military Science and Leadership courses. Additionally, History 3240 may be used to satisfy three semester hours of minor requirements.

#### **Enrollment**

To be eligible for enrollment in the Basic Course, a student must:

1. Be accepted by the University and enrolled as a full-time student.
2. Be at least 17 years of age at time of enrollment.

In addition to the above, to be eligible for enrollment in the Advanced Course, a student must:

1. Be a U.S. citizen.
2. Be physically qualified under standards prescribed by the Department of the Army.
3. Apply for admission into the Advanced Course and be accepted by the Professor of Military Science.
4. Be at least 17 and not more than 27 years of age at the time of enrollment and graduate before the age of 30. (Age waivers to age 34 are possible for exceptional students.)

5. Have a minimum cumulative GPA of 2.0.
6. Have completed the ROTC Basic Course or equivalent as listed under the two-year program.
7. Be classified as an academic junior or enrolled in an advanced degree program.

### **U.S. Army ROTC Scholarship Program**

Two-, three-, and four-year Army ROTC scholarships as well as civic scholarships provide financial assistance for qualified and selected students who exhibit a strong motivation toward careers as U.S. Army officers. An Army ROTC scholarship pays all tuition and fees, \$600 per semester for books, and a monthly stipend of \$420 during the academic year. Qualified Army scholarship winners also receive a Northwestern State University "ROTC Plus Package Scholarship" which offsets dormitory and meal plan fees.

To apply for an Army ROTC scholarship, the student must:

1. Display a strong desire for a career as an Army officer.
2. Be a U.S. citizen.
3. Have a minimum cumulative GPA of 2.5 and an ACT score of 19 or higher.
4. Be at least 17 years old by October of the year in which the application is made.
5. If offered, agree to accept a commission.
6. Agree to serve at least 4 years on active duty.

### **Commissions**

Upon completion of the Advanced Course and graduation from the University, a student may be commissioned as a Second Lieutenant to serve on active duty or be offered a commission in the Army Reserve or Army National Guard. Commissions in the Army Reserve or Army National Guard can be guaranteed to individuals who express this preference. A delay to enter active duty may be granted to students who desire to pursue full-time courses of instruction leading toward advanced degrees. Qualified students pursuing advanced degrees may apply for Army scholarships to assist with furthering their education.

Commissionees incur an 8-year service commitment of which scholarship students are expected to serve on active duty for 4 years with a 3- or 4-year scholarship and 3 years with a 2-year scholarship. Non-scholarship students can serve on active duty or in the Army National Guard or Army Reserve in an active or inactive status, or any combination thereof, totaling 8 years.

### **Uniforms and Equipment**

The Army lends all uniforms and equipment required at each level of the program. These items must be returned upon leaving the ROTC program or upon commissioning.

### **Allowances**

Contracted Cadets participating in the Advanced Course receive non-taxable subsistence of \$420 per month during the academic year and one-half of a Second Lieutenant's pay (approx. \$800.00) during ROTC summer camp. All travel expenses are reimbursed, and room and board are provided during camp.

### **Special Summer Training**

Special 3- to 4-week summer training opportunities are available to qualified and selected ROTC students. This training includes Airborne School; Air Assault School; Northern Warfare School; Mountain Warfare; Survival Evasion Resistance Escape; United Kingdom UTOC; SAPPER Leader Course; and Cadet Troop Leader Training Program. Travel expenses and room and board are provided for these U.S. Army Schools.

### **U.S. Air Force ROTC**

Through a cross-town agreement between Northwestern State University and Louisiana Tech University, Air Force ROTC is open to all full-time Northwestern State University students. Students attend their academic classes at Northwestern State University and Air Force ROTC classes and lab at Louisiana Tech University. Admission, enrollment, tuition, and fees are handled in accordance with the provisions of the agreement.

# DEPARTMENT OF PSYCHOLOGY AND ADDICTION STUDIES

337 Bienvenu Hall  
318-357-6594  
psychology@nsula.edu

**Department Head:** Charles R. King, *Associate Professor*

*Professor Emeritus:* Maureen A. McHale, Susan Thorson-Barnett

*Professors:* Lindsey, Moulton

*Associate Professor:* Myers

*Assistant Professors:* Deep

*Instructors:* Broadway, Broussard, Gresham, Shivers, Wall-Hale, Gilmore-Dixon

## Mission of the Department of Psychology and Addiction Studies

In keeping with the stated mission of the University, the Department of Psychology and Addiction Studies is dedicated to providing a high quality and functional education at both the undergraduate and graduate levels by actively engaging in the discovery and dissemination of knowledge across the subfields of Psychology, including clinical, experimental, and applied areas. Students develop mastery and integration of vocabulary and theory, as well as critical thinking and analytic skills, through didactic, laboratory, and practicum/externship training experiences. To further illustrate the relationship between theory, research, and application, the Department of Psychology and Addiction Studies emphasizes the ethical use of psychology principles in applied contexts.

As part of our educational mission, encouragement and support are provided for research and scholarship by both the faculty and the student body. These activities are designed to foster professionalism and enhance opportunities for graduate education and/or immediate employment and service in the community.

## Degree Programs Available Through the Department of Psychology and Addiction Studies:

Bachelor of Science programs in: Addiction Studies with a concentration in industrial organizational behavior; Psychology with concentrations in industrial organizational behavior, prevention specialist, and substance abuse

Master of Science program in: Psychology, Clinical with concentration in addiction studies, substance abuse

The Bachelor of Science programs are available in the traditional face-to-face format and through electronic delivery. See website <https://www.nsula.edu/ensu/online-programs/>.

### Special Requirements for Concentrations:

Must be an undergraduate Psychology or Addiction Studies major or a graduate student in Clinical Psychology. A grade of "C" or higher is required for all concentration coursework.

### Special Requirements for Minors:

A grade of "C" or higher is required for all minor coursework.

### Accreditation:

The Addiction Studies program is fully accredited at the baccalaureate level by the National Addiction Studies

Accreditation Commission (NASAC), 1001 N. Fairfax Street, Suite 201, Nelsonia, Virginia 23414, telephone number (703) 741-7686.

## Addiction Studies

**Addiction Studies Major Requirements:** (63 semester hours) Students seeking a major in Addiction Studies must complete 33 semester hours of Addiction Studies and 30 semester hours of Psychology, within the 120 semester hour Addiction Studies curriculum, which include: Addiction Studies 1010, 2050, 2430, 2450, 3010, 3020, 4040, 4450, 4490, 4500, 4510 or PSYC 4510; Psychology 1010, 2050, 2430, 3010, 3030, 4400, 4440, 4450, 4700, and one Psychology/Addiction Studies support course as approved by the advisor. Majors may not count any grade in Addiction Studies and Psychology courses lower than "C" towards the major curriculum.

**Addiction Studies Minor Requirements:** (21 semester hours) Addiction Studies 1010, 2050, 2430, 2450, 3010, 3020, and 4510. If AS/PSYC 4510 is part of their major students can select from AS 4040, 4450 or 4500.

### Available Concentration:

**Industrial Organizational Behavior (395A):** (15 semester hours): PSYC 4500; MGT 3220; MGT 4270; MGT 4320; MGT 4500; PSYC 4600 (optional).

### Curriculum for Addiction Studies (395)

| FIRST YEAR                                           | SEM. HRS. |
|------------------------------------------------------|-----------|
| Addiction Studies 1010 .....                         | 3         |
| Biology <sup>3</sup> .....                           | 4         |
| English 1010, 1020 .....                             | 6         |
| Fine Arts 1040 .....                                 | 3         |
| Mathematics 1020 or 1035, 1060 or 1090 or 2010 ..... | 6         |
| University Studies 1000 .....                        | 1         |
| Psychology 1010 .....                                | 3         |
| Science 1010 or Chemistry 1030 or 1070 .....         | 3         |
| Social Sciences <sup>1</sup> .....                   | 3         |
|                                                      | <hr/> 32  |

| SECOND YEAR                           | SEM. HRS. |
|---------------------------------------|-----------|
| Addiction Studies 2050, 2430 .....    | 6         |
| Behavioral science <sup>1</sup> ..... | 3         |
| Biology <sup>3</sup> .....            | 4         |
| Electives <sup>2</sup> .....          | 3         |
| Humanities <sup>1</sup> .....         | 9         |
| Psychology 2050, 2430 .....           | 6         |
|                                       | <hr/> 31  |

| THIRD YEAR                                                                                | SEM. HRS. |
|-------------------------------------------------------------------------------------------|-----------|
| Addiction Studies 2450, 3010, 3020, 4040, Addiction Studies 4510 or Psychology 4510 ..... | 15        |
| Electives <sup>2</sup> .....                                                              | 3         |
| Psychology 3010, 3030, 4400, 4440 .....                                                   | 12        |
|                                                                                           | <hr/> 30  |

| FOURTH YEAR                                                   | SEM. HRS. |
|---------------------------------------------------------------|-----------|
| Addiction Studies 4450, 4490, 4500 .....                      | 9         |
| Electives <sup>2</sup> .....                                  | 12        |
| Psychology 4450, 4700, Psychology elective <sup>1</sup> ..... | 6         |
|                                                               | <hr/> 27  |
| Total Semester Hours for Degree .....                         | 120       |

Footnotes:

- <sup>1</sup> Refer to University core requirements. (PSYC 1010 and PSYC 2050 cannot be counted as a Behavioral Science core requirement because these courses are a part of the Addiction Studies major.)
- <sup>2</sup> Addition Studies/Psychology electives may include the following: Psychology 2040, 2250, 2450, 3020, 3050, 3060, 3080, 3200, 4020, 4040, 4410, 4470, 4490 4500, 4600, 4650, 4830, 4900, Addiction Studies, or Applied Behavior Analysis courses.
- <sup>3</sup> Need to take one Biology Lecture that may include the following: BIOL 1010, 1020, 2060, 2250, 2260, 3310, 3320, SBIO 1850 and one Biology Lab that may include the following: BIOL 1011, 1021, 2061, 2251, 2261, 3311, 3321, SBIO 1851.

## Psychology

**Psychology Major Requirements:** (51 semester hours)  
Students seeking a major in psychology must complete 51 semester hours of psychology courses, within the 120 semester hour psychology curriculum, which includes: Psychology 1010, 2040, 2050, 2430, 3010, 3020, 3030, 3050 or 3060, 4400, 4410, 4440, 4450, 4470, 4490, 4510, and two Psychology/Addiction Studies electives as approved by the advisor. Majors may not count any grade in a psychology course lower than "C" towards the psychology major curriculum.

**Applied Behavior Analysis Minor Requirements:** (21 semester hours): ABA 3100, 3500, 4000, 4100, 4200, ABA 4600 (optional) and PSYC 2050, 3020.

**Psychology Minor Requirements:** (18 Semester hours)  
Psychology 1010; three semester hours (3) from Psychology 2050, 2430 or 2450; six semester hours (6) from Psychology 3010, 3020, 3050, 3060, 3200, 4440, 4510, or 4700; and six semester hours (6) from Psychology 4040, 4410, 4400, 4450, 4470, 4500, or 4650. A minimum of a C (2.0) grade point average is required in all coursework taken to complete the minor.

### Available Concentrations:

**Industrial Organizational Behavior (392D):** (15 semester hours): PSYC 4500; MGT 3220; MGT 4270; MGT 4320; MGT 4500; PSYC 4600 (optional).

**Prevention Specialist (392C):** (12 semester hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 3000; MGT 2500, 3220; PSYC 4700; PSYC 4600 (optional).

**Substance Abuse (392B):** (12 hours required and 3 semester hours of field experience in Mental Health Agency optional): HED 4600; CJ 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

### Curriculum for Psychology (392)

| FIRST YEAR                                             | SEM. HRS. |
|--------------------------------------------------------|-----------|
| Biology <sup>3</sup> .....                             | 4         |
| English 1010, 1020 .....                               | 6         |
| Fine Arts 1040 .....                                   | 3         |
| Mathematics 1020 or 1035, 1060 or 1090 or 2010 .....   | 6         |
| University Studies 1000 .....                          | 1         |
| Psychology 1010, 2040 .....                            | 6         |
| Science 1010 or Chemistry 1030 or Chemistry 1070 ..... | 3         |
| Social sciences <sup>1</sup> .....                     | 3         |
|                                                        | <hr/> 32  |

| SECOND YEAR                            | SEM. HRS. |
|----------------------------------------|-----------|
| Behavioral sciences <sup>1</sup> ..... | 3         |
| Biology <sup>3</sup> .....             | 4         |
| Electives .....                        | 6         |
| Humanities <sup>1</sup> .....          | 9         |
| Psychology 2050, 2430, 3010 .....      | 9         |
|                                        | <hr/> 31  |

| THIRD YEAR                                                  | SEM. HRS. |
|-------------------------------------------------------------|-----------|
| Electives .....                                             | 12        |
| Psychology 3020, 3030, 3050 or 3060, 4400, 4410, 4440 ..... | 18        |
|                                                             | <hr/> 30  |

| FOURTH YEAR                                                                  | SEM. HRS. |
|------------------------------------------------------------------------------|-----------|
| Electives .....                                                              | 12        |
| Psychology 4450, 4470, 4490, 4510, 1 psychology electives <sup>2</sup> ..... | 15        |
|                                                                              | <hr/> 27  |

Total Semester Hours for Degree .....

Footnotes:

- <sup>1</sup> Refer to University core requirements. (PSYC 1010 and PSYC 2050 cannot be counted as a core requirement due to being required for Psychology course requirements.)
- <sup>2</sup> Psychology electives may include the following: Psychology 2250, 2450, 3050, 3060, 3200, 4020, 4040, 4490, 4500, 4600, 4650, 4700, 4900, Addiction Studies, or Applied Behavior Analysis courses.
- <sup>3</sup> Take one Biology Lecture that may include the following: BIOL 1010, 1020, 2060, 2250, 2260, 3310, 3320, SBIO 1850 and one Biology Lab that may include the following: BIOL 1011, 1021, 2061, 2251, 2261, 3311, 3321, SBIO 1851.

## Graduate Program

### Master of Science Program in: Psychology, Clinical<sup>1</sup> (552)

This program is designed for students who plan to continue doctoral training in Clinical Psychology or seek clinical employment at the M.S. level. The emphasis is on clinical assessment, theory, application, and research. The M.S. degree in Psychology, Clinical requires 42 hours of course work, comprehensive examinations, an empirical thesis or paper-in-lieu, and practicum, and externship.

<sup>1</sup> In correcting deficiencies, only credits earned with a minimum grade of "B" will be accepted.

### Admission Requirements of the Program:

#### Regular Admission

Admission with Regular Status into the program requires students to meet one of the following conditions:

- A bachelor's degree from regionally accredited college/university with at least 18 semester hours in Psychology, including at least three semester hours from each of the following areas: Research Methods, Statistics, Abnormal Psychology, Tests & Measurements, and six hours of electives. The GPA for these courses will be applied to the admission standards along with the cumulative GPA.
1. A Grade point average (GPA) of at least 3.5 (no GRE is required)
    - GPA of at least 3.0 but less than 3.5 AND at least a 3.5 or better in Research Methods, Statistics, Abnormal Psychology, and nine hours in 3000 or 4000 psychology courses (no GRE is required).
    - GPA of at least 3.0 but less than 3.5 AND GRE of at least 290 (combined verbal and quantitative)
  2. Self-State (500-word essay that discusses the student's personal goals and reasons for their interest in earning a Master's degree in Clinical Psychology from NSU).
  3. Three letters of recommendation.
  4. Interview with departmental graduate faculty.

### Conditional Admission

Conditional admission to the Clinical Psychology program may be granted for the first nine semester hours of approved graduate study for students meeting one of the following conditions:

- GPA of at least 3.0 but less than 3.5 AND either no GRE OR GRE of at least 280 but less than 290 (combined verbal and quantitative)
- GPA of at least 2.5 but less than 3.0 AND a GRE of at least 290 (combined verbal and quantitative)

Earning a grade of "B" or better in the first semester of at least nine hours of approved graduate degree credit is necessary to continue in the program and will change the student's status to Regular admission.

### **Program Requirements:**

1. Core Requirements: Psychology 5100, 5120, 5130, 5200, 5250, 5260, 5270 (6 hours), 5300, 5320, 5400, 5750, 5950, 5980 or three hours selected from any 5000-level psychology course not already required for the M.S. in clinical Psychology, 6000 – a minimum of 45 semester hours.
2. Students must maintain a minimum grade point average of 3.0 with no grade lower than "C" and not more than six hours of credit with a grade of "C" shall be presented to fulfill the course requirements for the degree. No grade below "B" is acceptable for transfer credit.
3. A minimum grade of "B" must be earned on all "clinical" psychology courses pursued. Clinical courses include: 5200, 5250, 5260, 5270, 5300, 5320, 5400, 5500, 5750, 5980, and 6000. For non-clinical courses, a minimum grade of B must be earned for 5950 and 5980 and a grade of "C" for 5100 and 5120 shall be reviewed by the student's committee.
4. Students shall complete a pretest upon entry to the program. The pretest is to assess the student's knowledge of relevant areas upon entering the program and is not reflected on the student's academic record.
5. Students shall pass written comprehensive examinations.
6. Students shall complete and successfully defend a paper-in- lieu of a thesis (PSYC 5950) or an empirical thesis (PSYC 5980).
7. Students shall complete a 300-hour practicum (PSYC 5270; 6 hours) at an approved mental health site.
8. All students shall conduct themselves in an Ethical and Professional manner as a member and representative of the Clinical Psychology program and Northwestern State University. If students engage in unethical behavior according to the APA Code of Conduct, they will be subject to dismissal from the program.

### **Available concentrations:**

**Addiction Studies (552D):** AS 5110, AS 5120, AS 5130, and AS 5140

**Substance Abuse (552S):** CJ 4500, HED 4600, PSYC 6870, SOWK 4800.

### **Special Requirements for Concentrations:**

- Must be receiving a master's degree in Psychology, Clinical.
- Must have a grade point average of at least 3.0.
- Must be taking the required concentration courses in addition to the 42 semester hours required for the Psychology, Clinical master's degree.
- Psychology and Addiction Studies courses (5000 level or above) may count as electives for the Psychology, Clinical master's degree.

# DEPARTMENT OF SOCIAL WORK

149 Kyser Hall 318-  
357-5493  
socialwork@nsula.edu

**Department Head:** MaryAnne Candley, *Associate Professor*

*Associate Professors:* Bailey, Campbell, McKinney

*Assistant Professors:* A. Fultz, J. Fultz, Hoffpauir, Mount, Peddy

## Mission of the Department of Social Work

The mission of the Northwestern State University BSW Program is, within the scope of the University's mission and liberal arts foundation, to graduate competent and ethical generalist social work professionals prepared to meet the needs of diverse populations at the micro, mezzo, and macro levels, locally to globally. Our teaching, advising, and student engagement focus on a responsive student-centered approach, both on campus and online, that encourages and develops life-long learners and critical thinkers. Students and faculty engage in service and leadership that enhances human well-being, embraces human diversity, promotes human rights, and advances social and economic justice. The program's foundational perspectives include person-in-environment, strengths, research-informed practice, scientific inquiry and the values and ethics of the social work profession.

## Degrees Available Through the Department of Social Work:

Bachelor of Social Work

Master of Social Work

## Accreditation:

The social work program is fully accredited at the baccalaureate level by the Council on Social Work Education, 1701 Duke Street, Suite 200, Alexandria, Virginia 22314-3457, (703) 683-8080, email [info@cswe.org](mailto:info@cswe.org), [accred@cswe.org](http://accred@cswe.org), CSWE online [www.cswe.org](http://www.cswe.org).

## Admission to the Social Work Professional Program

This program prepares the student for beginning generalist social work practice.

Students must meet the following criteria for admission to the Social Work professional program:

1. Completion of all courses in the pre-professional curriculum. (Provisional admission may be granted if the student has all required 1000 level courses completed and 12 or less hours of University Core courses remaining at the time of application; the student has one semester to meet the remaining requirements.
2. A cumulative grade point average of 2.0 or above.
3. A minimum grade of "C" or above in Social Work 2010, 2090, 2100, and English 1010 and 1020 or SCRT 181W.
4. A minimum grade of C or above, by the second completed attempt, in required social work courses taken.
5. Adherence to the values and the ethics of the social work profession.
6. Submission and approval of an Application for Admission to the Social Work Professional Program prior to the pre- registration period for the next regular fall or spring semester.

## Social Work

### Social Work Major Requirements: (63 semester hours)

Students seeking a major in Social Work must complete 62 semester hours within the 120 semester hour Social Work curriculum, which include Social Work 2090, 2010, 2100, 3030, 3040, 3070, 3090, 3120, 3130, 3140, 3150, 3180, 3350, 4030, 4040, 4190 (12), 4350, 4900. No grade lower than "C" in a required social work course may be counted toward the social work major curriculum, nor used to meet a prerequisite.

Under no circumstances are academic credits to be awarded in Social Work courses for life or work experiences.

### Curriculum for Social Work (274)

| FIRST YEAR                                                                   | SEM. HRS. |
|------------------------------------------------------------------------------|-----------|
| Communication 1010 .....                                                     | 3         |
| English 1010, 1020 .....                                                     | 6         |
| Fine Arts 1040 .....                                                         | 3         |
| Mathematics 1035, 1060 .....                                                 | 6         |
| University Studies 1000 .....                                                | 1         |
| Psychology 1010 .....                                                        | 3         |
| Science 1010 .....                                                           | 3         |
| Social Work 2090, 2100 .....                                                 | 6         |
| Sociology 1010 .....                                                         | 3         |
|                                                                              | <u>34</u> |
| SECOND YEAR                                                                  | SEM. HRS. |
| Electives .....                                                              | 5         |
| English 2110 .....                                                           | 3         |
| History 2010, 2020 .....                                                     | 6         |
| Political Science 2010, 2020 .....                                           | 6         |
| Science 1020, 2020 .....                                                     | 6         |
| Social Work 2010, 3120 .....                                                 | 6         |
|                                                                              | <u>32</u> |
| THIRD YEAR                                                                   | SEM. HRS. |
| Social Work 3030, 3040, 3070, 3090, 3130, 3150, 3180, 3350, 4030, 4350 ..... | 30        |
|                                                                              | <u>30</u> |
| FOURTH YEAR                                                                  | SEM. HRS. |
| Electives .....                                                              | 3         |
| Social Work 3140, 4040 <sup>1</sup> , 4190 <sup>1</sup> , 4900 .....         | 21        |
|                                                                              | <u>24</u> |
| Total Semester Hours for Degree .....                                        | 120       |

Footnote:

<sup>1</sup> Social Work 4190 (field instruction) may be taken concurrently with Social Work 4040 at six hours credit per semester for two semesters or in one semester concurrently with Social Work 4040 at twelve hours credit.

### Criteria for Dismissal from the Social Work Program

Dismissal from the social work program can be for both academic and nonacademic reasons, including but not limited to:

1. Failure to earn at least a "C" upon the second completed attempt of a required social work course.
2. Failure for two consecutive semesters to maintain an overall 2.0 average and a social work average of 2.2



3. Academic cheating or plagiarism.
4. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
5. Illegal possession of weapons.
6. Conviction of a felony.
7. Serious violations, as determined by the social work program faculty, of the NASW Code of Ethics.

### Appeals

All decisions leading to dismissal from the social work program are subject to appeal following the procedures established by The Social Work Department of Northwestern State University.

## Graduate Program

### Master of Social Work (598)

The mission of our Master of Social Work program is to cultivate *inclusive*, clinically trained *evidence-based* advanced generalist social work practitioners equipped to meet the growing needs of rural, central, and western Louisiana while maintaining a global perspective and reach. We embrace diversity through *anti-racist*, *anti-oppressive*, and *trauma-informed* practices and strive to *foster* a community of learners committed to enhancing social justice. We empower students to progress from generalist to advanced generalist practice, preparing them to assess, evaluate, and create impactful interventions across all practice levels. We aim to develop social workers who understand the complexities of social inequalities, *systemic oppression*, and *historical, generational, and environmental trauma*. By integrating cost-effective education with cutting edge approaches, our graduates are equipped to evaluate the effectiveness of policies and programs and to create transformative solutions that enhance the well-being of individuals, families, communities, and organizations.

### Admission Requirements of the Program:

The admission policy into the Master of Social Work Program applies to all students including transfer and international students. The admission criteria is the same for all student options.

The criteria for admission into the MSW program are as follows:

1. Earned baccalaureate degree from a college or university accredited by a recognized regional accrediting organization. For advanced standing, the following criteria applies: 1) Earned a baccalaureate social work degree from a CSWE accredited school; 2) Earned a baccalaureate social work degree from a CASWE accredited program (from the Canadian social work accreditor, recognized through an MOU with CSWE and CASWE); and 3) Internationally earned ISWDRES-evaluated degree comparable to a baccalaureate social work degree.
2. Minimum GPA of 3.0 in the last 60 hours of full-time and part-time coursework. For advanced standing, the minimum GPA is 3.5.
3. 2 professional letters of recommendation.
4. 1 personal letter of recommendation.
5. Application to include a personal statement.

6. Acceptance of NSU'S MSW honor code which includes adherence to the CSWE Code of Ethics.
7. Ability to pass a background check.
8. Proof of citizenship.
9. Submission of official transcripts
10. Application fee of \$20-may be waived upon request.
11. Interview.
12. No GRE required.

The criteria for a transfer student are as follows:

1. The criterion for a standard admission is applicable to the transfer student.
2. Additional criteria include a letter of good standing from the previous institution. The institution must be accredited by the Council of Social Work Education at the time of admittance in order for transfer credits to be considered.
3. No grade lower than a "B" will be eligible to be transferred into the program.

### Program Requirements:

1. Core requirements: Social Work 5020, 5100, 5120, 5200, 5220, 5300, 5400, 5500, 5600, 5620, 6000, 6200, 6220, 6300, 6400, 6600, and 6620. Three advisor-approved electives are included in the completion of 60 credit hours\*
2. Students must maintain a minimum grade point average of 3.0 with no grade lower than "C".
3. Not more than six hours of credit with a grade of "C" shall be presented to fulfill the course requirements for the degree.
4. Students must earn at least a grade of "C" by their second attempt in a course. Students who fail to earn at least a grade of "C" by the second attempt will be subject to dismissal from the program.
5. No grade below "B" is acceptable for transfer credit.
6. No grade below "B" is acceptable for consideration of waived courses from a CSWE accredited BSW program.
7. A minimum grade of "B" must be earned on all "practice" and field practicum courses. Practice courses include: 5200, 5220, 6200, 6220; Field practicum courses include: 5600, 5620, 6600, 6620.
8. Students shall complete a 900-hour field practicum\*\* (SOWK 5600, 5620, 6600, 6620) at approved field practicum sites.
9. All students shall conduct themselves in an Ethical and Professional manner in accordance with the NASW Code of Ethics and as a representative of the Master of Social Work program at Northwestern State University.
10. All students shall sign and abide by an honor code. Students shall affirm their adherence to the honor code on all assignments.
11. If students engage in unethical behavior according to the NASW Code of Ethics or MSW program requirements, they will be subject to dismissal from the program.

\* Students may be eligible to complete fewer than 60 credit hours if approved for advanced standing, OR when graduating from a CSWE approved BSW program and meeting minimum GPA (3.0) and course waiver requirements. The following courses are eligible to be waived: SOWK 5100, SOWK 5300 and SOWK 5120.

\*\* Students may be eligible to complete fewer than 900 field practicum hours if approved for advanced standing OR when graduating from a CSWE accredited BSW program and meeting minimum GPA (3.0) and course waiver requirements. The following courses are eligible to be waived: SOWK 5600 and SOWK 5620.

# THE GRADUATE SCHOOL

123 Caspari Hall  
318-357-5851  
grad\_school@nsula.edu

Dean: TBA

The Dean of the Graduate School along with the Graduate Council supervises graduate study at Northwestern State University. All correspondence should be addressed to: Office of the Dean of the Graduate School, 123 Caspari Hall, Northwestern State University, Natchitoches, LA 71497; Phone 318-357-5851, 800-232-9892; Fax: 318-357-5019; E-mail: grad\_school@nsula.edu; website: [graduateschool.nsula.edu/](http://graduateschool.nsula.edu/).

The *University Catalog* presents the current curricula, educational plans, course offering, requirements, and policies of Northwestern State University. Catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer session. Degree requirements are also published on each academic department's website. It is the student's responsibility to be informed of these requirements. Changes in academic regulations enacted between catalog publications are published in various ways; students are responsible for knowing these changes.

For a listing of graduate degrees and certifications, see The University chapter of this catalog.

## Admission to the Graduate School

Applicants for admission to Northwestern State University shall not be denied admission on the basis of sex, race, creed, or national origin.

Apply on-line at the Graduate School website. Application fee should accompany the application.

Admission to the Graduate School does not imply admission to any specific degree program. See information about admission requirements for a specific program posted on each department's webpage.

Students who do not attend Northwestern State University for three consecutive (including summer) semesters or longer and who then returns to the University must complete the course work prescribed in the catalog in effect at the time of the return. A lapse in enrollment of 12 calendar months, or more, will require reapplication and payment of an additional admission fee.

Graduate students are responsible for reading and following the regulations and requirements of the Graduate School.

## ADMISSION CRITERIA

Admission requirements vary by each degree program. Go to Graduate School website at [www.graduateschool.nsula.edu](http://www.graduateschool.nsula.edu) and click on the "Graduate School Admissions Guide" for individual program requirements.

## ADMISSION CATEGORIES

### REGULAR ADMISSION

1. Bachelor's degree from a recognized accredited college or university with a minimum cumulative grade point average of 5 (applicants must furnish official transcripts from each college or university attended);
2. Completed online application must be submitted to the Graduate School at <https://www.nsula.edu/admissions/how-to-apply/>;

3. As specified by the department/program, satisfactory scores on a national standardized test, such as Graduate Record Examination (GRE) or PRAXIS, or a required professional license, such as Registered Nurse (RN) or Registered Radiologic Technologist. (See specific program admission requirements below. Note that some programs do not require the GRE for regular admission.);
4. Recommendation letters submitted by individuals who can attest to the applicant's academic background or professional experience. (Note: the number of letters vary; see program admission requirements below.)

All students applying for entry or re-entry to graduate study at Northwestern State University must be eligible to return to their former institutions to be considered for admission to Northwestern. No credit will be granted to a student by Northwestern for work done while suspended or dismissed from any institution.

Non-degree students meeting the requirements for admission may enroll for graduate credit. However, no more than 12 semester hours of graduate credit earned as a non-degree student may be subsequently applied toward a graduate degree program.

## MASTER'S PROGRAM

### PROVISIONAL ADMISSION REQUIREMENTS

Some degree programs allow provisional admission to a master's degree program may be granted for one semester or summer term for students whose records have not been received. Failure to remove provisional status after one semester or summer term will result in a registration hold, preventing further enrollment in graduate studies or a degree program. Upon submitting all required records, a student may later be admitted with regular or conditional status to a degree program, providing all requirements for that program are met. Only 12 hours or coursework earned in non-degree status may be applied to degree requirements.

## MASTER'S PROGRAM CONDITIONAL ADMISSION

Graduate degree programs requiring the GRE allow conditional admission for the first nine semester hours of approved graduate study for students whose GRE score does not meet program minimum requirements on verbal and quantitative sections for regular admission.

Students conditionally admitted to a master's program may be expected to meet other program specific admission requirements. Check specific departmental degree requirements at the end of this Graduate School Section.

Conditional status in a master's degree program may be changed to regular status by earning nine semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all graduate work pursued.

## ADMISSION FOR INTERNATIONAL STUDENTS

To be admitted to the Graduate School, international students must present to Northwestern State University an evaluation of their educational credentials by a United States professional evaluating service that has been approved by the university. International students must also meet all requirements for admission to the Graduate School.

In addition, other documents required are:

1. Official Test of English as a Foreign Language (TOEFL) scores (minimum score of 525 paper and 194 computer or 74 internet based) or Duolingo with minimum score of 100 or IELTS with minimum 6.0 score;
2. Official Financial Statement Certification verifying bank funds available in U.S. dollars;
3. Educational Experience by Years list;
4. Health Form;
5. Immunization Record.

All admission records must be on file at least 30 days prior to the date of registration. International students are only admitted on a provisional basis for the first 12 hours (see provisional admission).

## PROVISIONAL FOR UNDERGRADUATE STUDENTS TO TAKE GRADUATE LEVEL COURSES

Graduating seniors at Northwestern who have a minimum cumulative undergraduate grade point average of 3.2 on all undergraduate work attempted may be allowed to register for graduate credit if they meet the following requirements:

1. Registration for graduate courses must be approved by the student's academic dean and the Dean of the Graduate School. The permit form may be obtained in the Graduate School Office and posted on the Graduate School webpage at <https://graduateschool.nsula.edu/>.
2. Students must be within their last 30 semester hours of completing baccalaureate degree requirements.
3. While in the concurrent program, students shall maintain a minimum cumulative graduate grade point average of 3.0.

No more than twelve graduate credit hours may be earned while completing baccalaureate requirements.

## GRADUATE ASSISTANTSHIPS

Graduate assistantships are available for highly qualified graduate students. To be eligible for graduate assistantships, students must:

1. Be accepted into a graduate degree program (master's, specialist, or doctorate);
2. Achieve "regular admission" status;
3. Be considered "full-time" at Northwestern State University.

The minimum credit course load for graduate assistants in the fall/spring semesters is nine semester hours of which at least six semester hours must be for graduate credit. The maximum course load for graduate assistants is twelve semester hours. To be eligible to retain the assistantship, the student must:

1. Maintain a B average in all graduate courses;
2. Meet all other stated requirements of the Graduate School.

Out-of-state tuition, if applicable, is waived for graduate assistants.

Applications for assistantships are located on the Graduate School's webpage. Completed applications should be directed to the Dean of the Graduate School.

## MINIMUM AND MAXIMUM COURSE LOAD

During a regular 16-week semester, the full-time course load for a graduate student is 9 hours; the maximum number of hours allowed is 12 hours. Additional hours require approval from the major professor/advisor via email.

During an 8- or 11-week summer session, the full-time course load for a graduate student is 6 hours; the maximum number of hours allowed is 9 hours. Additional hours require approval from the major professor/advisor via email.

## PLAN OF STUDY AND GRADUATE COMMITTEE ASSIGNMENT

When a student is admitted to graduate study, the Graduate School notifies the college/departments in which the student plans to major. The department should notify the student of their committee chair and members.

## GENERAL DEGREE REQUIREMENTS

The minimum credit requirements for the master's degree is 30 semester hours of graduate work. Not more than six hours may be allowed for the thesis course and completion of a thesis. All courses taken toward completion of a degree must be 5000-level or above (courses open only to graduate students).

The graduate program must include a major area of concentration of not less than 18 semester hours. To fulfill the course requirements for a degree, a student must maintain:

- A minimum GPA of a 3.0 on all graduate work pursued
- No grade lower than "C"
- Not more than six hours of credit with a grade of "C".

## ADVANCING TO CANDIDACY

To be eligible to advance to candidacy for the master's degree, a student must:

- Have achieved regular admission status.
- Have an approved major professor and committee form on file.
- Have an approved plan of study on file.
- Have completed a minimum of 24 semester hours of graduate work at Northwestern.
- Have earned a B average on all graduate work pursued.

After being eligible to advance to candidacy, a student must earn a minimum of six additional semester hours of graduate credit and/or complete the research requirement at Northwestern State University.

## The Thesis, Research Project, or Field Study

The Graduate School updates its policies and procedures for theses, field studies, creative research, and research papers-in-lieu-of-thesis annually in its publication General Guidelines for Theses, Field Studies, Creative Research, or Research Papers-in-Lieu-of-Thesis. This publication is available on the Graduate School's web page.

## Eligibility to Remain in the Graduate School

### Academic Probation

- Students whose graduate cumulative average or semester average falls below 3.0 shall be placed on probation.
- A student will remain on probation until the cumulative grade point average of 3.0 or higher is achieved. While on probation, a student must earn at least a 3.0 semester grade point average to remain in school.

### Academic Suspension

- Students on probation will be suspended at the conclusion of any semester in which the student fails to earn a semester grade point average of at least 3.0.
- A student suspended for the first time will be suspended for a period of one semester. All subsequent suspension periods are for one full calendar year.
- A student suspended at the end of the spring semester may attend summer school without appeal. If the student raises the cumulative grade point average to 3.0 or higher, the suspension period is lifted, and the student is placed in academic good standing. The student may then attend the fall semester without appeal. If the student does not raise the cumulative grade point average to 3.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student.
- A student must appeal to be readmitted to any semester other than the summer session.
- A student with two previous suspensions who does not make a 3.0 on all hours attempted for the semester will be dismissed. Such dismissal is a final action.

### Readmission from Suspension

- Students with an academic standing of suspension may appeal to be considered for readmission. Appeals may be granted or denied.
- To appeal: submit the appeal of suspension form to the Graduate School. The form is available at <https://graduateschool.nsula.edu/>. The Graduate School will submit the form to your major professor for review. Final decision will be made by the Dean of the Graduate School.
- Students who have completed a suspension period may reapply for admission to the Graduate School. Applications for readmission may be granted or denied.

### **Time Limit to Complete a Graduate Degree**

All work applied toward the degree must have been earned in the six years immediately preceding the completion of the graduate program.

### **Revalidation of Courses**

In special cases, upon approval of the Dean of the Graduate School, expired credits may be revalidated by examination. TRANSFERRED CREDITS MAY NOT BE REVALIDATED. The examination must include a written test or demonstrated performance that measure those topics currently taught in the course and must be evaluated as if the student had just completed the course. The written examination paper, portfolio, or performance document with accompanying instructions, course learning outcomes, and designated activities with completed rubrics must be filed in the Graduate School office. Test construction and evaluation of the assessment instrument will be done by the instructor currently teaching the course or who has most recently taught the course.

Revalidation will be on a satisfactory/unsatisfactory basis. For grade point average purposes, the initial grade will be utilized. Revalidation of Expired Course Form must be completed by the applicant and then submitted to the graduate advisor and the college dean for approval. Once signatures have been obtained the form is then submitted to the Dean of the Graduate

School for final approval. The cost of revalidation is \$35 per course and must be paid and the receipt on file in the Dean of the Graduate School's office prior to taking the examination paper, portfolio, or performance document.

### **Residence Requirement/Transfer Credit**

At least two-thirds of the hours required for a master's degree must be earned at Northwestern. The remaining hours required for the degree may be transferred from another institution provided the institution, including its Graduate School, is accredited by a recognized accreditor; the grade earned is "B" or above; the course is completed within the six years immediately preceding the completion of the graduate program; and the credits are accepted as applicable to the student's degree program. An appropriate course description and syllabus must accompany the request. **All transfer credits must be reviewed by the major professor and college dean and approved by the Dean of the Graduate School within the first term of enrollment.**

Transferred graduate credits may not be used to satisfy conditional admission requirements or to raise a student's GPA to meet regular admission requirements. See also the policies related to Concurrent Registration.

The Application for Transfer of Graduate Credits Form may be obtained in the Graduate School Office or online at [www.nsula.edu](http://www.nsula.edu) on the Graduate School webpage.

### **Concurrent Registration**

Graduate students registered at Northwestern may not receive degree credit for any work taken concurrently at another college or university without PRIOR approval from the major professor and the Dean of the Graduate School. Any degree-seeking Northwestern graduate student who wishes to take courses at another college or university during a summer session, or during a regular semester when not enrolled at Northwestern, must also obtain PRIOR approval from the major professor and the Dean of the Graduate School.

It is the responsibility of graduate students pursuing continuing enrollment at Northwestern to submit to the Office of the Dean of the Graduate School an official transcript of work pursued at every University attended, regardless of whether or **not a degree was** awarded. Northwestern will not grant credit for coursework taken while suspended or dismissed from any college or university.

### **Completing a Master's and Baccalaureate Degree Simultaneously**

Northwestern State University will only confer a master's and baccalaureate degree simultaneously (during the same semester) on completion of an accelerated Bachelor/Master's program. Students pursuing a master's degree may, however, simultaneously take coursework toward an undergraduate degree.

### **Second Master's Degree**

A student seeking a second master's degree may be allowed to apply graduate credits from a previous graduate degree, if the credits were completed with grades of "B" or better and completed within the last six years of pursuing the second degree. A maximum of 12 graduate hours may apply to a second master's degree, only if the hours are applicable to the second master's degree.

## Grades and Quality Points

### Grades

Students are graded in their studies on the quality of work. Five grades are in use, as follows: “A” (excellent), “B” (good), “C” (average), “D” (below average), and “F” (failure). A course with a grade of “Pass” or a grade of “D” may not be used to satisfy a course requirement for a graduate degree.

A grade of “I” (Incomplete) means that course work is incomplete due to circumstances beyond the control of the student and that successful completion of this work could lead to a passing grade. A grade of “IP” (In progress) means that work in a research or thesis course is incomplete, but in progress. Continuous registration in courses where “IP” grades are awarded is required. Except for thesis courses or those courses in which the student is writing a formal research project-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the end of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of “I” will be changed to “F”. Students enrolled in a course for which a grade of “IP” is allowed must remain continuously enrolled (except summer) or a grade of “F” will be given. A waiver of this policy may be given by the Dean of the Graduate School.

If a student earns more than six hours in thesis the student’s transcript will provide only six hours of grades for thesis. All other “IP” grades will remain “IP” on the transcript. The student’s thesis director and the Dean of the Graduate School will determine which six hours of “IP” will be changed to the letter grade assigned by the thesis director when the thesis is satisfactorily completed.

A grade of “W” represents an official withdrawal from the course.

### Quality Points

In addition to earning credit hours for courses satisfactorily completed, students earn quality points according to the semester grades they make in the courses pursued. The following table is used in computing quality points:

- Grade “A” yields four points per semester hour of credit represented.
- Grade “B” yields three points per semester hour of credit represented.
- Grade “C” yields two points per semester hour of credit represented.
- Grade “D” yields one point per semester hour of credit represented.
- Grade “F” yields no credit.

Note: Earning the grade of F in any graduate-level course will result in dismissal from the student’s degree program, regardless of the student’s overall grade point average. This dismissal is subject to appeal.

### Grade Appeal

Graduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.

2. If the conference with the instructor is not satisfactory, the student should secure a Grade Appeal Form from the Dean of the Graduate School. The student may discuss the appeal informally with the Dean of the Graduate School if the student so desires.
3. In filing a formal appeal, the student should complete the appeal form, 1. stating the nature of the appeal, 2. providing a detailed description of the justification, and 3. requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student’s responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student’s appeal, providing documentation as to how the grade was determined. The instructor’s response should include a copy of the course outline or syllabus provided to the student’s class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the academic department that owns the course. Following a review of the student’s appeal and the instructor’s response, the department head or dean of the college should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head (or dean of the college), he or she may submit the appeal to the Dean of the Graduate School. The Dean of the Graduate School may make a decision, which would be final, or refer the appeal to the University Graduate Council for review and recommendation. The Council’s report would be a recommendation to the Dean of the Graduate School, whose decision would be final. The Dean of the Graduate School will notify the student of the final decision.

### Grades of “C” and “F” in Graduate School

Only 2 grades of “C” may be applied toward completion of most graduate degree program. The student should consult the departmental policy of their degree program.

A grade of “F” in any graduate level course will cause the student to be dismissed from said degree program; however, the student is not dismissed from the Graduate School. The student may opt to choose to apply to another degree program offered, or the student may appeal the dismissal to the head of the academic department offering the degree program. Readmission decisions, which are considered final, rest with the Dean of the Graduate School.

### Comprehensive Final Examination

All students must pass a comprehensive final examination – oral, written, or both – which may also include a defense of the thesis or field study, if a thesis or field study is written. Students who do not pass comprehensive examinations (COMPS) on the first testing may only take COMPS for a maximum of three times.

### **Application for Graduation**

An application for graduation must be filed at the beginning of the semester or summer session during which degree requirements will be completed. Students must apply online for graduation through VIC at <https://vic.nsula.edu>. Students who fail to complete graduation requirements as planned or who want to change the date of graduation must reapply for graduation by filing another online Application for Graduation.

### **Graduation with Special Honors**

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishment of students whose scholastic performances are most worthy, Northwestern State University is pleased to grant special distinction to Graduate School graduates who have a grade point average of 4.0 in their degree program.

# COURSES OF INSTRUCTION

The following is a list of all courses of instruction offered by the various departments at NSU at the time of this catalog's publication. Every effort is made to be as accurate and complete as possible. Courses are listed alphabetically by subject. Courses numbered 5000 or above are open to graduate students only.

The first figure in parentheses following each course title indicates the credit hour value of the course; the second figure indicates the number of 50-minute lecture periods the class meets per week in a regular semester; the third indicates the laboratory hours per week.

For each semester hour of credit, a traditional lecture or laboratory course shall strive to meet a minimum of 750 minutes. Final exam periods may be counted as class time when computing required minutes. The minimum length requirements for academic courses are listed below:

**A. Minimum requirements for meeting time for classes:**

1. 1-hour classes must meet 750 minutes.
  - a. 50-minutes classes must meet 15 times, or 14 times plus final examination.
2. 2-hour classes must meet 1500 minutes.
  - a. 50-minute classes must meet 30 times, or 28 times plus final examination.
  - b. 100-minute classes must meet 15 times, or 14 times plus final examination.
3. 3-hour classes must meet 2250 minutes.
  - a. 50-minutes MWF classes must meet 45 times, or 42 times plus final examination.
  - b. 75-minutes TR classes must meet 30 times, or 28 times plus final examination.
  - c. 150-minutes weekly classes must meet 15 times, or 14 times plus final examination.

**B. Final Examination time requirements:**

1. Scheduled time minimum requirements
  - a. 1-hour courses -- 50 minutes
  - b. 2-hour courses -- 100 minutes
  - c. 3-hour courses -- 150 minutes

**C. Distance Education:**

1. All electronic academic courses at Northwestern State University are considered comparable to traditional courses, are taught by regular and approved adjunct faculty, and adhere to all the same standards, prerequisites, and requirements as traditional sections of identical courses.

For more detailed information pertaining to the minimum length of academic courses, see the Board Bylaws & Rules of the Board of Supervisors for the University of Louisiana System: [https://www.ulsystem.edu/wp-content/uploads/2017/11/Chpt\\_1\\_VII\\_Academic\\_Programs.pdf](https://www.ulsystem.edu/wp-content/uploads/2017/11/Chpt_1_VII_Academic_Programs.pdf)

## LECTURE AND LABORATORY COURSES

Each lecture course and related laboratory course is a combination taught as a unit; the two courses must be taken concurrently. If either course in such a lecture/laboratory combination is failed, it may be repeated without repeating the other. No student may use as part of his or her degree requirement a lecture course without the corresponding laboratory course (if one is available for that course) or a laboratory course without the corresponding lecture course, unless otherwise stated in the course description.

### ACADEMIC SKILLS (ACSK)

For Undergraduates Only

- 1010. STUDY SKILLS IMPROVEMENT.** (1-1-0). Study skills and test-taking techniques necessary for college success.
- 1020. CRITICAL THINKING AND PROBLEM SOLVING.** (1-1-0). Course is designed to help encourage students to become critical thinkers. Topics include, but are not limited to, how to ask questions, how to produce many ideas, basing judgments on evidence, acknowledging complexity of information, and intellectual independence.

### ACCOUNTING (ACCT)

For Undergraduates Only

- 1040. SMALL BUSINESS ACCOUNTING.** (3-3-0). This course provides an overview of basic accounting methods used in a small business. Emphasis is placed on the fundamental bookkeeping functions that are so important for accounting in the real world. Coverage of the accounting cycle includes an

in-depth use of QuickBooks® Pro to account for a transaction from the initial sale to the post-closing trial balance. Using a case-based approach, the course provides the student with the basics to account for small business transactions.

- 2000. FINANCIAL ACCOUNTING.** (3-3-0). Introduction to financial accounting for business entities. Analysis of business transactions; recording and reporting principles; income measurement and asset valuation for financial reporting. Prerequisite: Mathematics 1020, English 1010.
- 2010. MANAGERIAL ACCOUNTING.** (3-3-0). Cost accounting principles and systems, planning, budgeting, and control systems; analytical uses of accounting information for decision making. Not available as an elective for accounting majors. Prerequisite: 2000.
- 2020. PRINCIPLES OF PERSONAL INCOME TAX.** (3-3-0). A procedure oriented course designed to enable an individual to determine their tax liability. Does not meet requirements for the Bachelor of Science degree in Accounting



- 3050. GOVERNMENT ACCOUNTING.** (3-3-0). Accounting theory and practice applied to governmental units, state operated schools and colleges; classification and use of funds; fiscal procedures; budgetary control; financial statements; reports. Prerequisite: 2010
- 3060. INCOME TAXES.** (3-3-0). Federal income taxation: emphasis is on accounting and taxation concepts as they relate to individuals. This course provides the foundation for further study, either through research or formal study. Prerequisite 2000 and 2010.
- 3080. COST ACCOUNTING.** (3-3-0). Cost control of industries; job order and process cost systems. Prerequisite: 2000 and 2010.
- 3180. INTERMEDIATE ACCOUNTING I.** (3-3-0). In-depth study of financial accounting theory and problems, with emphasis on asset valuation on the balance sheet. Prerequisite: 2000 and 2010.
- 3190. INTERMEDIATE ACCOUNTING II.** (3-3-0). A continuation of 3180 with special emphasis on liabilities, stockholders equity, and introduction to the income statement, methods of accounting and reporting for such topics as pensions, leases, cash flows, analysis of errors and changes, full disclosure, and ethical considerations. Prerequisite: ACCT 3180.
- 4020. ADVANCED ACCOUNTING.** (3-3-0). Problems related to partnerships, branches, consolidations, foreign exchange, estates and trust, consignments, installment sales and other topics. Prerequisite: ACCT 3190.
- 4080. AUDITING.** (3-3-0). Problems encountered by practicing public accountant; types of audits; ethics of profession; preparation of auditor's working papers and reports. Prerequisite: ACCT 3190.
- 4120. FRAUD EXAMINATION.** (3-3-0). A rigorous coverage of the major methods employees use to commit occupational fraud. The course focuses on why occupational fraud is committed, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: 3080 or 3180.
- 4130. ADVANCED COST ACCOUNTING.** (3-3-0). Standard cost; setting standards; analysis of variances. Prerequisite: Prerequisite: 3080.
- 4140. CORPORATION INCOME TAXES.** (3-3-0). Federal tax principles with emphasis on the corporation, estates, trust, and gift laws. Prerequisite: 3060.
- 4150. ACCOUNTING ETHICS AND RESEARCH.** (3-3-0). Nature and theory of accounting; concepts and principles underlying financial statements and their presentation.
- 4220. STATEMENT ANALYSIS.** (3-3-0). Comparative analysis of financial statements; information processing and reporting for the purpose of understanding accounting information. Emphasizes the concepts associated with compilations and review services performed in accordance with generally accepted accounting principles. (This course is the same as FIN 4220). Prerequisite: FIN 3190.
- 4260. ACCOUNTING SYSTEMS.** (3-3-0). Design and implementation of accounting systems; utilization of electronic data processing. Prerequisite: 3080 and 3180.
- 4300. SENIOR SEMINAR IN ACCOUNTING.** (3-3-0). A comprehensive course in accounting integrating concepts from different functional areas such as Financial & Managerial Accounting, Taxes, Auditing and Accounting Information Systems. The course will require students to apply their analytical skills to research and recommend solutions to unstructured and open-ended problems closely based on current issues facing businesses. This course will utilize cases from various sources, involve oral and/or written presentations, and will emphasize the importance of working as an effective team member. Prerequisite: ACCT 4020.

- 4320. DATA ANALYSIS FOR ACCOUNTING AND FINANCE.** (3-3-0). Introduction to tools used to collect, analyze, and present financial data in order to improve decision making. This course is cross listed with FIN 4320. Prerequisite: FIN 3090.

## ADDICTION STUDIES (AS)

For Undergraduates Only

- <sup>1</sup>1010. INTRODUCTION TO ADDICTION DISORDERS.** (3-3-0). Overview of the causes and consequences of addictions as they relate to the individual, family, community, and society are discussed. Response alternatives regarding intervention, treatment, education, and prevention are reviewed. Competencies and requirements for licensure/certification in Louisiana and Knowledge, Skills and Attitudes of Professional Practices as described in Technical Assistance Publication Series (TAP 21) are explained. Addiction issues related to diverse populations are presented.
- <sup>1</sup>2050. FAMILY DYNAMICS.** (3-3-0). An introduction to the family as a dynamic system focusing on the effects of addiction pertaining to family roles, rules, and behavior patterns. Discuss the impact of mood-altering substances of the family and therapeutic alternatives as they relate to the family.
- <sup>1</sup>2430. SCREENING AND ASSESSMENT.** (3-3-0). Examine the purpose of screening and assessment as well as screening and assessment processes, methods, and instruments. The importance of screening and assessment as the first stage of effective substance abuse treatment will be explored. Prerequisite: 1010.
- <sup>1</sup>2450. CASE MANAGEMENT.** (3-3-0). This course will provide an overview of the process involved in case management and the skills needed to effectively design and implement treatment plans with individuals who present with substance and behavioral addictions. Prerequisite: 1010.
- <sup>1</sup>3010. ADDICTION COUNSELING SKILLS.** (3-3-0). A survey of the applications of psychological concepts and principles to counseling methods, competencies in Knowledge, Skills and Attitudes for the therapeutic treatment of psychological problems including addiction-related disorders. Emphasis on behavioral, cognitive, client-center, motivational interviewing, and psychoanalytic techniques of therapy. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- <sup>1</sup>3020. DYNAMICS OF GROUP COUNSELING.** (3-3-0). An introduction to the patterns and dynamics of group interactions across the life span. Focus includes structure, types, stages, development, leadership, and therapeutic factors of group counseling. Effective group facilitation skills and techniques used to address special population issues and needs are covered.
- <sup>1</sup>3030. INTRODUCTION TO BEHAVIORAL ADDICTIONS.** (3-3-0). Survey of the nature and etiology of process addictions (including but not limited to shopping, gambling, food, and gaming). Examination and understanding of the consequences of these behaviors, as well as diagnostic and treatment implications.
- <sup>1</sup>4010. NEUROBIOLOGY OF ADDICTIONS.** (3-3-0). This course provides a comprehensive framework of the neurobiological bases of addiction from the molecular, cellular, and systems neuroscience levels of analysis. The mechanisms of learning and memory, neuroadaptation, motivation and reward, decision-making, and other sub-disciplines within neuroscience and psychology will be examined. Prerequisite: 12 hours in Addiction Studies and/or Psychology or consent of instructor.

- <sup>1</sup>**4040. SPECIAL POPULATIONS.** (3-3-0). Examines ethnic/cultural factors that may affect a person's attitudes toward alcohol and other drugs, pattern of substance use, reasons for seeking treatment, and responsiveness to various interventions. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- <sup>1</sup>**4450. CO-OCCURRING DISORDERS.** (3-3-0). The treatment of co-existing chemical dependency and psychiatric disorders. Provides a framework for assessment and treatment and describes a range of effective counseling and motivational strategies. Prerequisite: 12 credit hours in psychology (including 4450) and/or Addiction Studies or consent of instructor.
- <sup>1</sup>**4490. SENIOR RESEARCH SEMINAR.** (3-3-0). This is the capstone experience required for addiction studies majors. Students will analyze data using SPSS, will write an APA style Introduction, Methods, Results, and Discussion Section of a senior thesis research project. Prerequisites include PSYC 2430 and graduating senior status.
- <sup>1</sup>**4500. PHARMACOLOGY OF ADDICTION.** (3-3-0). Psychological, physiological, and sociological effects of mood altering substances and behaviors and their implications for the addiction process are discussed. Emphasis is placed on pharmacological effects of tolerance, cross addiction, dependency/withdrawal, and drug interaction. Prerequisite: PSYC 3010 and 9 hours in Psychology or Addiction Studies.
- <sup>1</sup>**4510. ETHICS FOR ADDICTION PROFESSIONALS.** (3-3-0). Learning about appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a substance abuse counselor, including counseling, assessment, research and teaching. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.

#### For Graduates Only

- 5110. SEMINAR IN ADDICTION.** (3-3-0). This course provides an overview of current scientific information, materials, and techniques for dealing with the culture of addiction (i.e., use, abuse, and dependency). Emphasis will focus on the culture of addiction and recovery by providing an in-depth understanding of screening, intake, orientation, assessment, diagnostic impression, treatment planning, case management, and intervention. Prerequisites: Bachelor's degree in a Human Related Field or consent of instructor.
- 5120. PSYCHOPHARMACOLOGY AND ADVANCED ADDICTION COUNSELING SKILLS.** (3-3-0). This course examines the study of how drugs interact with the nervous system with an additional examination of the use of medication in treatment interventions. Emphasis on treatment planning along with cognitive, motivational interviewing, behavioral, and client center therapy techniques. Prerequisites: Bachelor's degree in a Human Related Field or consent of instructor.
- 5130. INDIVIDUAL AND GROUP COUNSELING: THEORIES AND PRACTICES.** (3-3-0). This course provides a broad understanding of individual and group counseling theories and practices. The course addresses individual and group process components, appropriate selection criteria, developmental stage theories, roles and behaviors, and leadership styles and approaches. The course includes didactic and experiential learning. Prerequisites: Bachelor's degree in a Human Related Field or consent of instructor.
- 5140. ETHICS AND PROFESSIONAL CONDUCT IN ADDICTION COUNSELING.** (3-3-0). This course is designed to provide guidelines for appropriate behavioral, ethical, and moral conduct in the Addiction Field. The course will examine the code of conduct as well as an understanding of applicable Louisiana laws related to Addiction Counseling. Prerequisites: Bachelor's degree in a Human Related Field or consent of instructor.

<sup>1</sup>Addiction Studies courses can be used as behavioral science electives.

## AGRICULTURAL MANAGEMENT (AGMT)

### For Undergraduates Only

- 2000. AGRICULTURAL MANAGEMENT I.** (1-0-3). Directed supervision of planned work experiences involving production activities, practicum in organization, planning and execution of animal, plant husbandry, mycology, general production of urban agroecology. The assessment and improvement of protocols, basic construction utilizing pvc, prefabricated materials in conjunction with effective time management and field-based experiences will result in a prepared portfolio of the planned and scheduled activities. This course may be repeated any number of time but no more than 4 hours may be applied toward graduation. Prerequisite: Consent of instructor.
- 3000. AGRICULTURAL MANAGEMENT II.** (1-0-3). Directed supervision of planned work experiences involving production activities, practicum in organization, planning and execution of animal, plant husbandry, mycology, general production of urban agroecology. The assessment and improvement of protocols, basic construction utilizing solar technology, metal working, line production of prefabricated materials in conjunction with effective personnel/time management and field-based experiences will result in a prepared portfolio of the planned and scheduled activities. This course may be repeated any number of time but no more than 4 hours may be applied toward graduation. Prerequisite: Consent of instructor.

## ALLIED HEALTH (ALHE)

### For Undergraduates Only

- 1020. MEDICAL TERMINOLOGY.** (2-2-0). Breaking down and defining common medical terms used in effective communication.
- 2020. INTEGRATIVE MEDICINE FOR HEALTH.** (3-3-0). Integrative Medicine for Health will discuss modalities that utilize conventional and alternative medicine (more natural & less invasive) that have evidence of safety and effectiveness. This course will enhance the students' understanding the use of a myriad of modalities for health and healing.
- 2200. CULTURAL AND ETHICAL INFLUENCES ON HEALTH CARE.** (2-2-0). To provide a foundation for the provision of ethical, culturally sensitive healthcare. Professional values, cultural, and ethical influences on professional practices will be discussed. Prerequisite: Completion of at least 13 hours.
- 2210. INTRODUCTION TO IMAGING SCIENCES.** (2-2-0). History of imaging sciences, department and hospital organization, code of ethics, medico-legal considerations the role of the technologist on the medical team, radiographic procedural introduction, medical terminology, professional organizations of radiologic sciences and certification as well as basic radiation protection. Prerequisite: Successful completion of at least 28 hours of the first two semesters of the Radiologic Sciences Curriculum pattern or consent of the Dean of the College of Nursing & School of Allied Health. Enrollment in this course does not guarantee admission into Radiologic Sciences or Sonography courses.
- 2400. FOUNDATIONS OF HEALTH CARE.** (3-3-0). An overview of the foundations of US health care system and the roles and responsibilities of healthcare professionals. Trends and issues affecting health care will be explored including: ethics, safety, professionalism, technology, and costs.

- 2500. INTRODUCTION TO DIGITAL CONCEPTS IN MEDICAL IMAGING.** (3-3-0). Introduction to radiographic medical imaging, digital imaging systems and equipment, radiation safety in digital imaging, computer hardware and software, system networking, MIMPS, artificial intelligence, and medical informatics. Corequisites: RADS 3310, 3320.
- 3000. FOUNDATIONS OF PATIENT CARE.** (3-3-0). This course is designed for the student who has limited patient care experience. This course will discuss medical asepsis, patient assessment, patient history documentation, legal issues, patient communication, and various emergency situations. Discussion of various patient procedures, such as urinary catheterization, venipuncture, patient transfer, oxygen administration, and EKG. The use of various pharmacologic agents used within the health care setting will be addressed.
- 3840. ADVANCED PATIENT CARE AND ASSESSMENT.** (3-3-0). The knowledge and techniques of the basic physical assessment for patients throughout their lifespan. Concepts of basic level pharmacology and EKG procedures. Prerequisites: Junior standing or consent of the department head.
- 3900. TRANSITION INTO PROFESSIONAL HEALTHCARE.** (2-2-0). Provides the framework for transition for the registered healthcare professional. Explores current professional issues in the healthcare environment. Prerequisite: Junior standing or consent of department head.
- 4100. EMOTIONAL INTELLIGENCE FOR HEALTHCARE PROFESSIONALS.** (3-3-0). This course introduces emotional intelligence (EI) theories and provides an opportunity to gain a better understanding of how EI influences communication and behavior within healthcare and other professional environments. Students will learn best practices in leveraging EI abilities, being aware of self and others, understanding emotions, and emotional management.
- 4230. HEALTH INFORMATICS.** (3-3-0). This course provides an introduction to health informatics including definitions, concepts, models and theories. The student is introduced to application within health informatics, as well as literature of the field. Prerequisite: Junior standing or consent of the department head.
- 4430. EDUCATION IN ALLIED HEALTH.** (3-3-0). This course will provide an introduction to techniques for instruction, supervision, and evaluation of clinical allied health students. Prerequisite: Junior standing or consent of the department head.
- 4520. RESEARCH IN HEALTHCARE.** (3-3-0). Foundations of research in healthcare, including its definition and characteristics, purposes, quantitative and qualitative methodologies, ethical considerations, and relationship to the health care of individuals, families, groups, and communities. Prerequisite: Junior standing or consent of the department head.
- 4600. TEAMWORK AND LEADERSHIP CHALLENGES FOR THE HEALTHCARE PROFESSIONAL.** (4-4-0). Content is designed to provide the skills necessary for the healthcare professional to provide leadership in workplace performance and professional development to promote efficient and effective patient care. Prerequisite: Junior standing or consent of the department head.
- 4610. INTRODUCTION TO HEALTH CARE QUALITY.** (3-3-0). This course will define healthcare quality and the quality characteristics expected in high-performing healthcare organizations. A study of how healthcare quality is measured, assessed, and improved will be covered. Prerequisite: Junior standing or consent of the Dean of the College of Nursing and School of Allied Health.
- 4630. HEALTHCARE ORGANIZATION AND MANAGEMENT.** (3-3-0). An introduction to application theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities. Prerequisite: Junior standing or consent of the department head.
- 4850. FOUNDATIONS IN CT AND PATIENT CARE.** (3-3-0). An introduction to the history of Computed Tomography (CT), the CT environment, CT safety, patient care within the CT department, and CT pharmacology. Topics include clinical issues regarding contrast administration and safety, as well as CT-specific patient care and procedural considerations. Prerequisite: Enrollment in undergraduate certificate program, or junior standing in radiologic sciences, or consent of the Dean of the College of Nursing and School of Allied Health.
- 4860. CT PHYSICS AND IMAGE PRODUCTION.** (3-3-0). An introduction to CT physical principles, operations, image formation and basic imaging parameters. This course covers the principles of imaging parameters, imaging processing, contrast characteristics, image display and quality, and artifact recognition and reduction. Emphasis is placed on details of methods of data acquisition, imaging options, imaging and understanding. Prerequisite: Successful completion of a baccalaureate degree in radiologic sciences or consent of the Dean of the College of Nursing and School of Allied Health.
- 4870. CT PROCEDURES AND PROTOCOLS.** (3-3-0). Detailing the performance of standard CT procedures. Content covers an in depth look at CT sectional anatomy, physiology, imaging procedures, protocols, and pathology. The study of normal anatomy and pathologic conditions aid the student in recognizing the need for imaging changes based on these conditions. Content also includes optimal scanning procedures and procedures relating to cardiovascular system, the central nervous system, the musculoskeletal system, thorax, abdomen, and pelvis. An introduction to CT physical principles, operations, image formation and basic imaging parameters. Prerequisite: Successful completion of a baccalaureate degree in radiologic sciences or consent of the Dean of the College of Nursing and School of Allied Health.
- 4900. DIRECTED STUDY.** (6-6-0). Supervised directed study in selected topics in the healthcare environment for the registered healthcare professional. May be repeated for credit when topic varies. Prerequisite: Approval of the program director.
- 4910. INVASIVE CARDIOVASCULAR PROCEDURES.** (3-3-0). This course explores angiographic approaches to diagnostic and interventional procedures performed in a cardiovascular lab. Topics covered include patient positioning during interventional cardiac procedures, cardiac anatomy and pathology radiation protection, and image critique. Prerequisite: Enrollment in undergraduate certificate program, or junior standing in radiologic sciences, or consent of the Dean of the College of Nursing and School of Allied Health.
- 4911. ADVANCED CERTIFICATION CLINICAL.** (3-0-15). Students will be supervised in a clinical education setting to perform advanced imaging procedures. Emphasis will be placed on students competently performing those procedures unique to their advanced imaging modality. Prerequisite: Successful completion of a baccalaureate degree in radiologic sciences or consent of the Dean of the College of Nursing and School of Allied Health.

- 4920. CARDIOVASCULAR IMAGING EQUIPMENT.** (3-3-0). This course covers advanced interventional equipment and physiologic monitoring equipment. This course will explore the inventory and supplies used in interventional cardiovascular lab, including automatic injectors, catheters, guide wires, needles, intravascular ultrasound, and other surgically invasive equipment. Prerequisite: Acceptance into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology Program or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee admission into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology.
- 4930. CARDIOVASCULAR PATIENT CARE.** (3-3-0). This course explores the patient care skills needed to be proficient in the invasive cardiovascular lab. Topics covered include the physical assessment of the patient, pre- and post-procedure monitoring of the patient, and evaluation of access sites. Prerequisite: Acceptance into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology Program or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee admission into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology.
- 4940. CARDIOVASCULAR HEMODYNAMICS.** (3-3-0). This course will introduce the student to the various waveform components for each of the cardiac chambers (Fick cardiac output, Gorlin Valve formula, Shunts, and vascular resistances). Additionally, students will be able to assess both the normal and abnormal measurements. Prerequisite: Acceptance into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology Program or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee admission into the Post-Baccalaureate Certificate: Invasive Cardiovascular Technology.
- 4950. MRI FOUNDATIONS AND PATIENT CARE.** (3-3-0). An introduction to the history of MRI, the MRI environment, MRI safety, patient care, and MRI pharmacology. Topics include clinical issues regarding contrast administration and safety, magnetic field safety, MRI specific patient care and procedural considerations. Prerequisite: Enrollment in undergraduate certificate program or junior standing in radiologic sciences, or consent of the Dean of the College of Nursing and School of Allied Health.
- 4960. MRI PHYSICS & IMAGE ACQUISITION.** (3-3-0). An introduction to MRI physical principles, instrumentation, image formation and basic imaging parameters. This course covers the principles of magnetism, signal production, contrast characteristics, imaging planes and image formation. Emphasis is placed on details of methods of data acquisition, imaging options, image artifacts, and quality assurance to ensure quality MR imaging and understanding. Prerequisites: Acceptance into the Post-Baccalaureate Certificate: Magnetic Resonance Imaging program or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee admission into the Post-Baccalaureate Certificate: Magnetic Resonance Imaging program.
- 4970. MRI PROCEDURES & SEQUENCING.** (3-3-0). Detailing the performance of standard MRI procedures. Content covers an in depth look at MRI sectional anatomy, physiology, imaging procedures, protocols, and pathology. The study of normal anatomy and pathologic conditions aid the student in recognizing the need for imaging changes based on these conditions. Content also includes optimal scanning techniques and procedures relating to the cardiovascular system, the central nervous system, the musculoskeletal system, thorax, abdomen, and pelvis.

Prerequisites: Acceptance into the Post-Baccalaureate Certificate: Magnetic Resonance Imaging program or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee admission into the Post-Baccalaureate Certificate: Magnetic Resonance Imaging program.

For Graduates Only

- 5210. CURRICULUM DEVELOPMENT & TEACHING METHODS IN ALLIED HEALTH EDUCATION.** (3-3-0). Explore the nature of higher education, allied health education and the faculty role. This course will discuss curriculum design, its dimensions, objectives, and dynamics; the instructional process, including the learner, theories of learning and their application to allied health education, concept formation, and teaching-learning activities.
- 5220. ASSESSMENT IN ALLIED HEALTH.** (3-3-0). This course will provide assessment techniques for both didactic and clinical settings in allied health. Topics may include: test construction, rubrics, instrument design, clinical evaluation, and formative and summative evaluation techniques.
- 5230. ALLIED HEALTH STUDENT MANAGEMENT.** (3-3-0). This course will provide a discussion of issues in the allied health education setting. Topics may include: advisement, counseling, records management, affiliation agreements, and disciplinary procedures.
- 5310. OPERATIONS AND RESOURCE MANAGEMENT IN HEALTHCARE.** (3-3-0). This course will examine the administrative role within health care settings. Students will explore personnel management, risk management, evaluation methods, policies and procedures, and hiring practices.
- 5320. FISCAL MANAGEMENT IN HEALTHCARE.** (3-3-0). This course will explore financial management within healthcare. Students will analyze and evaluate fiscal information to develop effective strategies for managing the financial resources in healthcare.
- 5330. INFORMATION MANAGEMENT IN HEALTHCARE.** (3-3-0). This course will investigate techniques to manage and process information in the health care setting to support clinical practice and administration in healthcare.
- 5510. EVIDENCE BASED PRACTICE IN ALLIED HEALTH EDUCATION.** (3-3-0). This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence-based practice and projects applicable to allied health education.
- 5530. EVIDENCE BASED PRACTICE IN ALLIED HEALTH ADMINISTRATION.** (3-3-0). This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence-based practice and projects applicable to allied health administration.

## AMERICAN SIGN LANGUAGE (AMSL)

- 1010. INTRODUCTION TO AMERICAN SIGN LANGUAGE.** (3-3-0). This course is designed to develop the student's proficiency in American Sign Language (ASL) through a review and expansion of grammar and vocabulary and communication practice.
- 1020. INTRODUCTION TO AMERICAN SIGN LANGUAGE II.** (3-3-0). This course is designed to develop students' proficiency through a review and expansion of grammar and vocabulary and communication practice studied in AMSL 3010. Prerequisite: AMSL 1010.
- 2010. INTRODUCTION TO AMERICAN SIGN LANGUAGE III.** (3-3-0). This course is designed to develop students' ASL proficiency through a review and expansion of grammar and vocabulary and communication practice studied in AMSL I and II. Prerequisites: AMSL 1020 or instructor approval.

- 2020. INTRODUCTION TO AMERICAN SIGN LANGUAGE IV.** (3-3-0). This course is designed to develop students' ASL proficiency through a review and expansion of grammar and vocabulary and communication practice studied in AMSL III. Prerequisite: AMSL 2010 or instructor approval.
- 3050. INTRODUCTION TO AMERICAN SIGN LANGUAGE V.** (3-3-0). This course is designed to develop students' American Sign Language (ASL) proficiency through a review and expansion of grammar, vocabulary, and communication practice studied in AMSL I, II III, & IV. This course is an introduction to intermediate skills in developing production and comprehension skills in ASL. Students will learn ASL vocabulary, structure, and grammar. Course content also includes the manual alphabet and numbers. Students will develop and refine intermediate conversational abilities, culturally appropriate behaviors, and learn about the culture and history of deaf communities.

## ANTHROPOLOGY (ANTH)

For Undergraduates Only

- 1015. SURVEY OF RACE IN THE U.S.** (3-3-0). Introduction to concepts of race and race-based inequalities in the U.S. This course examines how race concepts emerged, and although they failed to explain human biological variation, remained prominent sources of stereotypes that are used to justify social inequities and discrimination, while obscuring material privileges.
- 1510. THE WAYS OF HUMANKIND: AN ANTHROPOLOGICAL PERSPECTIVE.** (3-3-0). Nature and mechanism of culture. How cultures are organized and work on a worldwide basis. Cultural systems of communication, kinship, technology, religion and magic.
- 2010. ORIGIN OF CULTURES: AN INTRODUCTION TO HUMAN PREHISTORY.** (3-3-0). An introduction to the origin and development of the hominids and of culture.
- 2015. STANDING UP FOR EQUITY AND DIVERSITY.** (3-3-0). An introduction to techniques for successfully promoting for equity and diversity in a variety of social contexts, focused on the workplace, and on relevant civil rights and anti-discrimination law. Prerequisite: SOC 1015 or ANTH 1015.
- 2020. CULTURAL ANTHROPOLOGY.** (3-3-0). An introduction to basic cultural anthropology: on language and culture, social structures, and applied anthropology.
- 3020. PRINCIPLES OF ARCHAEOLOGY.** (3-3-0). Concepts and methods; archaeology in the social sciences; problems in North American prehistory.
- 3030. NORTH AMERICAN INDIANS.** (3-3-0). Ethnology of the American Indian peoples of the U.S. and Canada; major culture areas at the time of European contact; contemporary social and economic conditions.
- 3035. AMERICAN INDIAN HISTORY IN THE U.S.** (3-3-0). Broad survey of American Indian histories in the present-day United States, with an emphasis on American Indian perspectives, methodologies, and sources of evidence.
- 3040. AMERICAN INDIANS OF THE SOUTHEASTERN U.S.** (3-3-0). Ethnology of major American Indian peoples; American Indians of Louisiana and their neighbors.
- 3050. BIOLOGICAL ANTHROPOLOGY.** (3-3-0). Survey of human evolution and biological variation, including basic osteology and forensic aspects of anthropology. Prerequisites: 2010 or Biology 1010, 1011 and 1020, 1021.
- 3060. NORTH AMERICAN PREHISTORY.** (3-3-0). Survey of North American Prehistory focusing on prehistoric cultural diversity, social and technological developments, and environmental adaptation in the major culture areas of the continent.

- 3070. AMERICAN INDIANS AND THE LAW.** (3-3-0). Survey of federal Indian law and American Indian nations' legal systems from legal, anthropological, and indigenous studies perspectives. Requires junior status or instructor permission.
- 3110. PRINCIPLES OF ETHNOGRAPHY.** (3-3-0). Concepts and methods of studying contemporary folk cultures; ethnographic approaches to types of cultural expression such as mythology and folklore, arts and crafts, kinship systems, architecture, music.
- 3120. GENDER AND LAW.** (3-3-0). A survey of U.S. law related to gender including the histories of major developments and changes and theories from both legal and anthropological perspectives.
- 3130. LANGUAGE AND GENDER.** (3-3-0). This course examines relationships between language and gender ideologies, experiences, practices, institutions, and power, including cross-cultural perspectives.
- 3140. LANGUAGE AND SOCIETY.** (3-3-0). This course is an introduction to the social scientific study of language. Students will learn essential principles of linguistics and linguistic anthropology while examining how languages reflect and shape cultures and social structures; how linguistic variation relates to social categories such as region, ethnicity or ascribed race, gender, and class; relationships among language, power, and identity; and how language change occurs.
- 3160. ARCHAEOLOGY OF SOUTHEASTERN NORTH AMERICA.** (3-3-0). Survey of Southeastern North American archaeology, including prehistoric and historic cultural diversity and social and technological developments. Emphasis on Louisiana American Indian sites and culture areas.
- 3210. SURVEY OF AMERICAN INDIAN LANGUAGES.** (3-3-0). A linguistic anthropological survey of North and South American Indian languages, with significant emphasis on language revitalization.
- 3720. INDIGENOUS GENDERS.** (3-3-0). Introduction to North American Indigenous gender roles and beliefs and how they have changed over time.
- 4040. CREOLE STUDIES: A PRO-SEMINAR.** (3-3-0). This course is designed to give students an understanding of Creole as culture created from African, European (French, Portuguese, Spanish), and American Indian roots. Discussion will include Creole as a process of acculturation. It will discuss the confusion of Creole culture with racist definitions of culture and the colonial origins and modern maintenance of Creole identity and community. Emphasis on, but not limited to, groups in Louisiana and the Caribbean.
- 4050. CREOLE ETHNOGRAPHY.** (3-3-0). This course is designed to introduce students to Louisiana Creole culture and ethnohistory. Students will examine concepts of Creole Identity; learn about Creole cultural landscapes, language, religious practices, rites of passage, oral traditions, and material culture. Students will also examine Creole culture within broader issues of social change and continuity, and explore social diversity within the parameters of Creole culture. Students will understand Creole a cultural, not racial, entity, including the contributions of Africans, Europeans, and American Indians to Creole culture; as well as racialism, essentialism, and ethnocentrism and the Creole confusion.
- 4060. SPECIAL PROBLEMS.** (3-3-0). Prerequisite: minor in anthropology, senior standing, consent of instructor. May be repeated.
- 4080. ANTHROPOLOGICAL THEORY.** (3-3-0). Development of ethnological thought in its historical context. Prerequisite: Senior standing and 12 semester hours in anthropology.

- 4100. FIELD PROBLEMS IN ARCHAEOLOGY.** (6-1-10). Techniques and materials of archaeological excavation; field surveying and recording, care and interpretation of material; field work in Louisiana. Prerequisite: 2010, 3020, and junior standing.
- 4110. HISTORIC SITE ARCHAEOLOGY AND DEVELOPMENT.** (6-1-10). Techniques and skills using archaeological methods on documented sites: site preservation and development, active excavations, restoration and other field work (archival modeling) to be expected. Prerequisite: 2010, 3020, or permission of instructor.
- 4130. MUSEUM AND HISTORIC SITE DEVELOPMENT.** (3-3-0). Designing and administering small museums. Theory, design, and funding of public museums and developmental programs. Significant emphasis on American Indian peoples' involvement in museum management and the Native American Graves Protection and Repatriation Act.
- 4140. HISTORICAL ARCHAEOLOGY: SURVEY AND METHODS.** (3-3-0). An overview of the development of the archaeology of historic sites, its theory and method on North America and the Caribbean. Prerequisite: 2010, 3020, History 2010 and/or 2020, or permission of instructor.
- 4150. HISTORY OF ARCHAEOLOGICAL THOUGHT.** (3-3-0). An introduction to the major theoretical trends in archaeological interpretation from a chronological perspective. Prerequisite: 2010, 2020, 3020 or consent of instructor.
- 4160. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). A course in descriptive linguistics including historical, geographical, and structural linguistics. (Same as English 4110).
- 4200. FIELD TECHNIQUES IN UNDERWATER ARCHAEOLOGY.** (3-3-0). An overview of methods used in under- water archaeology, including: archaeological survey and remote sensing, underwater site recording and excavation, preliminary artifact conservation, and laboratory analysis. Prerequisites: 3020, or consent of instructor, and open water diving certification.
- 4340. FROM REAL TO REEL.** (3-3-0). Film is unique in its ability to capture real events as they unfold in real time. Yet, we must acknowledge that the camera is never neutral, never objective. In this course we will explore approaches to filming real world events as they have developed in documentary and ethnographic film traditions. You will learn best practices and tackle ethical dilemmas as you make your own films. No prior filmmaking experience or equipment is necessary.
- 4400. UNDERSTANDING INTERNATIONAL CULTURES: STUDY ABROAD.** (3-3-0). This course provides the student with an introduction to the archaeology and present culture of a selected country, both in the classroom and as a study abroad experience. The course will culminate in a mandatory foreign travel experience to study the archaeology and culture of the selected country first-hand. Expenses incurred are to be paid by the participant. Students are responsible for their own travel costs. All students taking the course must purchase student insurance. Students must contact the instructor prior to enrolling in this course. Prerequisites: Sophomore standing and either ANTH 1510, 2010 or 2020, or consent of instructor.
- Subtitles:  
01 – Egypt, Past and Present  
02 – Peru, Past and Present  
03 – Belize, Past and Present

- 4720. INTERCULTURAL COMMUNICATION.** (3-3-0). Examines the process by which meaning and messages are shared and interpreted between people from different cultures with a focus on culture and how variance in cultural symbols, values, and behaviors affects communication interactions across cultures. Explores topics like verbal and nonverbal cues, communication styles, power dynamics, conflict resolution, globalization, migration, and media representation. Equips students with knowledge and skills to interact and communicate effectively with people from various cultural backgrounds.
- 4960. ANTHROPOLOGY INTERNSHIP.** (3-0-6). Field experience in applied anthropology. Internships may take place at a variety of sites including community organizations, cultural heritage centers, museums, social service agencies, advocacy groups, research institutes, neighborhood development agencies, and archives. Students will engage in professional work that applies anthropological theories and methods to real-world contexts. Students must identify and secure internships prior to enrolling in the course. A minimum of 33.5 contact hours is required per credit hour. Prerequisites: Approval of advisor/Program Coordinator and permission of course instructor.
- 4980. SPECIAL TOPICS IN ANTHROPOLOGY.** (3-3-0). Detailed survey of specialized topics of archaeological interest. May be repeated for credit when topics vary. Prerequisites: ANTH 1510, 2010, or consent of instructor. Corequisite: ANTH 4981.
- Subtitles:  
01 – Experimental Archaeology  
02 – Science and Pseudoscience in Archaeology
- 4981. SPECIAL TOPICS IN ANTHROPOLOGY LABORATORY.** (1-0-3). Laboratory to accompany "Special Topics in Anthropology" lecture course. May be repeated for credit when topics vary. Prerequisites: ANTH 1510, 2010, or consent of instructor. Corequisite: ANTH 4980.
- Subtitles:  
01 – Experimental Archaeology Laboratory  
02 – Science and Pseudoscience in Archaeology Laboratory  
For Graduates Only
- 5010. SEMINAR IN ANTHROPOLOGY.** (3-3-0). Reading and research on topics.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise to specific areas of public folklore. Prerequisite: 3110, or English 4670. (Same as English 5720).

## APPLIED BEHAVIOR ANALYSIS (ABA)

For Undergraduates Only

- 3100. FOUNDATIONS OF APPLIED BEHAVIOR ANALYSIS.** (3-3-0). This course introduces the student to the foundational principles, concepts, and philosophical underpinnings of the science of applied behavior analysis (ABA). Prerequisite: Minimum of sophomore standing or must have departmental consent.
- 3500. BEHAVIOR CHANGE PROCEDURES IN APPLIED BEHAVIOR ANALYSIS.** (3-3-0). This course covers specific behavior change procedures utilized in Applied Behavior Analysis. Students will begin to understand and apply behavior modification techniques to modify existing behaviors and teach new behaviors. Prerequisite: ABA 3100.

- 4000. MEASUREMENT AND EXPERIMENTAL DESIGNS IN APPLIED BEHAVIOR ANALYSIS.** (3-3-0). The student will learn the techniques and rationale for measuring behaviors and how to display and interpret behavioral data using graphs. The student will also learn how to use single subject research designs to demonstrate functional relations between behaviors and environmental events. Prerequisite: ABA 3100.
- 4100. ASSESSMENTS IN APPLIED BEHAVIOR ANALYSIS.** (3-3-0). The student will learn the purpose and rationale for assessment in applied behavior analysis. Particular emphasis will be placed identifying functional relations between the environment and target behaviors, as well as identifying potential sources of reinforcement for target behaviors. Prerequisite: ABA 3100, 3500, 4000.
- 4200. ETHICS, SUPERVISION, AND PROFESSIONALISM IN APPLIED BEHAVIOR ANALYSIS.** (3-3-0). This course provides the student with an understanding of ethical responsibilities for behavior analysts along with skills for assessing, problem solving, and addressing ethical dilemmas. Topics covered in this course include professional representation of oneself and the field of behavior analysis, dissemination of professional values, collaborating with other professionals, effective supervision practices, and maintaining professional relationships with other professionals and clients, as identified in the Ethical Code for Behavior Analysts. Prerequisite: ABA 3100.
- 4600. INTERNSHIP IN APPLIED BEHAVIOR ANALYSIS.** (3-3-0). This is an experiential learning course in which students will work 10-12 hours per week in a clinic or facility that utilizes applied behavior analysis. In addition, students will complete journal assignments, reflection assignments, and an APA paper to deepen their understanding about applied behavior analysis field. Prerequisite: ABA 3100.

## ART (ART)

For Undergraduates Only

- <sup>1</sup>1010. DESIGN I.** (3-1-5). Foundation for art and graphic communications. Introduction to elements of design and principles of visual organization via theory and application of two-dimensional creative experience. Majors and minors must earn a grade of "C" or better to pass this course.
- <sup>1</sup>1020. DESIGN II.** (2-1-5). This course challenges students to create original three-dimensional objects through hands-on exploration of materials and concepts. Students apply elements of art and principles of design as well as introducing application of the four-point critique technique. Prerequisite: ART 1010 or consent of instructor. Majors and minors must earn a grade of "C" or better to pass this course.
- <sup>1</sup>1060. DRAWING I.** (3-1-5). An introduction to drawing with emphasis on representation from direct observation. Focuses on drawing as a fundamental of learning to see, and to transport that vision onto paper through a variety of mark making techniques. Also explores drawing materials. Majors and minors must earn a grade of "C" or better to pass this course.
- <sup>1</sup>1070. DRAWING II.** (3-1-5). Continuation of ART 1060. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisite: Successful completion of ART 1060.
- <sup>1</sup>1350. SCULPTURE I.** (3-1-5). Theory and techniques of 3D art; planning, carving, wire work, mask making, life casting, and bronze or aluminum casting. Majors and minors must earn a grade of "C" or better to pass this course.
- 2000. CERAMICS I.** (3-1-5). Elementary ceramic design; hand-building, decoration, glazing and firing or pottery. Majors and minors must earn a grade of "C" or better to pass this course.
- 2020. DRAWING III.** (3-1-5). Individual creative expression in still-life and landscape studies. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisite: ART 1070 or consent instructor.
- 2040. ART EDUCATION I.** (3-1-5). Laboratory experience with media and techniques for elementary grades; educational implications and associated problems. Majors and minors must earn a grade of "C" or better to pass this course.
- 2060. CERAMICS II.** (3-1-5). Elements of wheel-throwing various forms; clays and glazes, their working and firing characteristics; kiln operation. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisite: 2000.
- 2120. FIGURE DRAWING I.** (3-1-5). Foundational studies in drawing the human form. Majors and minors must earn a grade of "C" or better to pass this course. Will substitute for ART 1070 in the ART core. Prerequisite: ART 1060.
- 2130. FIGURE DRAWING II.** (3-1-5). Advanced studies in drawing the human form. Majors and minors must earn a grade of "C" or better to pass this course. Will substitute for ART 2020 in the ART core. Prerequisite: ART 1070 or ART 2120.
- <sup>1</sup>2140. PAINTING I (INTRO TO PAINTING).** (3-1-5). This course introduces students to the basic principles and techniques of painting. Through a wide range of experiences, students will learn about painting tools, basic color-mixing, composition, form, and spatial relationships. Students will engage with a variety of subjects ranging from still-life, interiors, abstraction, self-portraits and the figure. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisites: ART 1010, ART 1060, or consent of instructor.
- 2160. CREATIVE TECHNOLOGY.** (2-1-5). Basic understanding of industry-standard computer software used by graphic designers. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 1020 or consent of the instructor.
- 2270. CRAFTS I.** (3-1-5). Crafts, beginning level. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisite: ART 1350.
- 2280. INTRODUCTION TO TEXTILES.** (3-1-5). Introductory focus on processes used to create and embellish fabrics; introduces techniques such as weaving, crochet, spinning, dyeing, as well as fiber as a 3-D medium. This course also investigates historical and ethnographic origins of techniques. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisites: ART 1010 and ART 1020.
- 2290. PHOTOGRAPHY I.** (3-1-5). Theory and skills in making the digital photographic image. Includes working with small cameras, lenses, filters, lighting techniques, and introduces digital manipulation procedures. Majors and minors must earn a grade of "C" or better to pass this course.
- 2340. PAINTING II (COLOR MATERIAL AND SURFACE)** (3-1-5). This course delves deeper into the fundamentals of painting in a more nuanced and particular manner. With a continued emphasis on process, students will explore a range of materials and techniques, gaining a deeper understanding of the tools of painting, color mixing, pigments, varied surfaces, supports and substrates, and the technical challenges of painting in oil or acrylic. Through projects such as still life, landscape, the figure, abstraction and conceptual concerns, students will develop personal approaches that enhance their formal and individual growth as artists. Majors and minors must earn "C" or better to pass this course. Prerequisites: ART 2140 or consent of instructor.
- 2350. SCULPTURE II.** (3-1-5). Continuation of ART 1350. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisite: ART 1350.

- 2400. ILLUSTRATION I.** (3-1-5). Introduction to the theories, history, and techniques of illustration. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisites: ART 2140 or consent of instructor.
- 2560. GRAPHIC COMMUNICATION I.** (3-1-5). Development of a conceptual approach to visual literacy through creative thinking and problem solving exercises. Majors and minors must earn a grade of "C" or better to pass this course.
- 3000. CERAMICS III.** (3-0-6). Exploration in ceramics as a complex art medium for the development of personal work, such as coil, pinch, wheel, slab, free form, multi-media incorporating clay, and more including advanced firing techniques, glaze techniques, kiln design, and exploration of multiple types of clay. An intro into slip casting. Majors and minors must receive a "C" or better letter grade to pass this course. Prerequisite: 2060.
- 3010. PAINTING III (BEYOND THE LINES).** (3-1-5). This course provides a venue in which students investigate notions of painting that challenge its boundaries and question its method and materials. Working independently, students are encouraged to develop personal direction and to experiment with novel approaches to problem solving. Scheduled slide talks address such topics as conceptual painting, kinetic painting, sculptural painting, electronic painting, performance painting, process painting, etc. There are regularly scheduled individual and group critiques. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 2340 or consent of instructor.
- 3020. DRAWING IV.** (3-1-5). Varied media with advanced problems and experimentation with drawing materials. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 2020 or consent of instructor.
- 3030. WORDS AND PICTURES: CREATING GRAPHIC LITERATURE.** (3-3-0). This course will create a cross-curriculum learning environment for students interested in both the visual and verbal elements of creating texts. Class discussions will introduce various traditions that combine writing and illustration, which will build toward the production of individual and collaborative creative work. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 1010 and ART 1060.
- 3040. ART EDUCATION II.** (3-1-4). Children's art and its relationship to their healthy mental, emotional and creative growth; media and methods of stimulation at various stages of development; problems of evaluation. Prerequisite: 2040.
- 3130. FIBER II (OFF LOOM CONSTRUCTION).** (3-1-5). Off-loom construction techniques of single and multiple element structures including wrapping, netting, knotting, plaiting, rope making and felting will be examined. Both two- and three-dimensional construction will be explored. The techniques introduced will be further examined through academic research and presentation related to contemporary quilt and embroidery. Students are encouraged to collect, salvage and mix materials relevant to their developed concepts. The discussions, reviews and slide lectures provide technical and conceptual critique and review of the introduced context and help students as they create a body work throughout the semester. Majors and minors must earn a "C" or better to pass this course. Prerequisites: 2280, 1010, 1020.
- 3210. PAINTING IV.** (3-1-5). Advanced problems in pictorial organization in oils; experimentation with visual forms for individual expression. Prerequisite: 3010 or consent of instructor.
- 3240. HISTORY OF DESIGN.** (3-3-0). A global and cross-cultural study of design from prehistoric to the present encompassing (but not limited to): written communication systems, utilitarian and decorative objects (containers, vessels, clothing, furnishings). Majors and minors must earn a "C" or better to pass this course. Prerequisites: 3520, 3530, and/or consent of instructor.
- 3250. PAINTING V (PERSONAL DIRECTION).** (3-1-5). This course is a studio class geared to students who have a sense of commitment to painting. It provides a communal studio experience, providing a supportive and critical environment, where students can develop their own voice and direction. This course embraces varied mediums and broad approaches to painting. Students' ideas and work will grow through their own personal experience, as well as, the shared challenges and experiences of their classmates. This course includes individual and group critiques, and slide presentations. Majors and minors must earn "C" or better to pass this course. Prerequisite: ART 3210.
- 3260. CERAMICS IV.** (3-1-5). Continuation of study Ceramics III. Students may continue project path from Ceramics III or focus on new techniques. Concept, craftsmanship, and individualism are pushed and expected. Course concentrates on developing individual skills further and begin to push into new possibilities as well as glaze and clay calculations and creation, and kiln building. A grade of "C" or better is required for majors and minors. Prerequisite: ART 3000.
- 3270. CRAFTS II.** (3-1-5). Advanced experience in the design and construction of various craft projects. May be repeated for a total of six hours credit when topic varies. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 2270.
- 3280. PRINTMAKING I.** (3-1-5). Basic printmaking techniques; woodcut, collagraph, silkscreen, etching, engraving. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 1010, 1060, or consent of instructor.
- 3350. SCULPTURE III.** (3-1-5). Continuation of 2350. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 1010, 1060, or consent of instructor.
- 3400. ILLUSTRATION II.** (3-1-5). A continuation of ART 2400. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 2400 or consent of instructor.
- 3410. NEW MEDIA DESIGN I.** (3-1-4). Introduction to the concepts, processes and technologies involved in designing for the web. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 3560 or consent of instructor subsequent to portfolio review.
- 3510. NATIVE AMERICAN ART HISTORY.** (3-3-0). A multicultural and continent-wide study and investigation of the arts dating from prehistory through the present day, encompassing (but not limited to) painting, drawing, printmaking, sculpture, architecture and crafts. Majors and minors must earn a "C" or better to pass this course.
- 3520. ART HISTORY I.** (3-3-0). A multicultural and worldwide study and investigation of the visual arts from prehistoric to the 1300's, encompassing (but not limited to): painting, drawing, printmaking, sculpture, architecture and craft. Majors and minors must earn a grade of "C" or better to pass this course.
- 3530. ART HISTORY II.** (3-3-0). A multicultural and worldwide study and investigation of the visual arts from the 1400s CE through the 1700s CE, encompassing (but not limited to): painting, drawing, printmaking, sculpture, architecture and craft. Majors and minors must earn a grade of "C" or better to pass this course.
- 3540. ART HISTORY III.** (3-3-0). A multicultural and worldwide study and investigation of the visual arts from the 1800s CE to the present day, encompassing (but not limited to): painting, drawing, printmaking, sculpture, architecture and craft. Majors and minors must earn a grade of "C" or better to pass this course. Prerequisites: ART 1010, 1060.
- 3550. ART SEMINAR.** (1-1-0). Research and artistic identity in professional art and design. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 3530 or consent of the instructor.



- 3560. GRAPHIC COMMUNICATION II.** (3-1-5). Advanced topography. Anatomy of the typeface. Type classifications. Working with as a text, choosing, and combining typefaces. Working with character formatting: case, baseline, italic, condensed, bold. Letter spacing: tracking, kerning, physical and optical kerning. Working with Typekit in Adobe. Software: Adobe Illustrator, mostly Adobe InDesign. Production Areas: Editorial, Advertising (posters, or anything that includes type) Explores XD and After Effects. Majors and minors must earn "C" or better to pass this course.
- 3580. PRINTMAKING II.** (3-1-5). Emphasizing one medium specializing in color techniques. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 3280.
- 3650. SCULPTURE IV.** (3-1-5). Continuation of 3350. Majors and minors must earn a "C" or better to pass this course.
- 3810. NEW MEDIA DESIGN II.** (3-1-4). Introduction to interactive and motion design including the concepts and technologies specific to web based multimedia applications and environments. Majors and minors must earn a "C" or better to pass this course.
- 3880. FIBER III.** (3-1-5). Exploration of the conceptual and tactile physicality of surface through building layers. Students will investigate hand and machine sewing, piecing, appliqué, and embroidery with various materials. Course will also explore examined research related to contemporary quilt and embroidery. Students are encouraged to collect, salvage, and mix materials relevant to their developed concepts. The discussions provide technical and conceptual critique help students as they create a body work throughout the semester. Majors and minors must earn "C" or better to pass this course. Prerequisites: 2280, 1010, 1020.
- 3960. GRAPHIC COMMUNICATIONS III (BRANDING AND VISUAL IDENTITY)** (3-1-5). What is a brand? What is an identity? Course explores the elements of branding: Communication Strategy (the research part of the project without going too much into marketing); Identity Systems: Logo design, rules to use a logo, flexible identities; Visual System: Color scheme, topography specifications, logo construction, and mockups. Presentations: students upload their finished products in the digital portfolio, Behance. Oral presentations in group critique to prepare for Senior Projects. Producing Brand Manuals: includes concepts learning in during the course. By the course completion students will have their brand manuals ready for digital and print media. Majors and minors must earn "C" or better to pass this course. Prerequisite: ART 3560.
- 24030. ADVANCED STUDIO PROBLEMS.** (3-1-5). Work with a member of the faculty in advanced studio problems. May be repeated for nine hours toward an undergraduate degree when topic varies. Prerequisites: Junior standing, six hours in art. Subtitles: 01-Painting, 02-Drawing, 03-Sculpture, 04-Design, 05-Ceramics, 06-Advertising Art, 07-Watercolor, 08-Stained Glass, 09-Photography, 10- Graphic Illustration, 11-Fibers. Majors and minors must earn a "C" or better to pass this course.
- 4320. SCULPTURE V.** (3-1-5). Centered around experiential learning, students are involved in aspects of commission, public art such as client meetings, design, fabrication, and installation. Consent of the instructor required. Majors and minors must earn "C" or better to pass this course.
- 4390. PHOTOGRAPHY II.** (3-1-5). This class is for students who are interested in photography much more than just a hobby. In this class, students learn, composition, exposure, depth of field, and making images that are more than snapshots. Students are expected to make photographs that convey an idea, or a narrative as well as technically correct. Students will learn how to print, mat and frame images physical images, as well as managing a digital catalog. Majors and minors must earn "C" or a better to pass this course. Prerequisite: 2290.
- 4400. COMMERCIAL ILLUSTRATION.** (3-1-5). Introduction to illustration as an art form. Course is offered in three sections, -01 Comic Book Character Development. Centered around experiential learning, students are involved in aspects of developing and illustrating an award-winning author's first comic book series. Portfolio review & consent of the instructor required. -02 Required for Graphic Communication concentration; -03 Studio Art concentration elective. Prerequisites for sections -02 and - 03: 2140. Majors and minors must earn a "C" or better to pass this course.
- 4450. PAINTING VI.** (3-1-5). Advanced problems in pictorial organization in paint media. Prerequisite: 3010, or consent of instructor. Majors and minors must earn a "C" or better to pass this course.
- 4460. CERAMICS V.** (3-1-5). For students who are pursuing ceramics as an emphasis within the concentrations in Studio Art or Crafts. Self-explorations and understanding of clay, firings, and all techniques will be expected. All firings, glazes, clays, and other additives will be made and created by the student. A strong concept of what is being created and why is expected. This class is designed to push the individual to the edge of what is ceramics and art. A letter grade a "C" or better is required from majors and minors. Prerequisite: ART 3260 or consent of instructor.
- 4480. PRINTMAKING III.** (3-1-5). Emphasizes advanced technical processes. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 3580.
- 4490. PHOTOGRAPHY III (FILM PHOTOGRAPHY).** (3-1-5). Class is for students who want to make unique photographs using Black & White film. Photographs created in this class will be unlike any digital photographs made before. By creating a physical image and print, students will gain a deeper appreciation for exposure, composition and photography in general. Majors and minors must earn a "C" or better to pass this course.
- 4560. GRAPHIC COMMUNICATION IV.** (3-1-5). Package design and interactive design. This course is divided in two parts. First part, students start working on Packing Design, where they propose/design a package for a product. If possible, students design a mockup, using cardboard, paper, plastic, etc. Students also design logo, and labels, illustration for this product. Students will use software including Adobe Dimension, Illustrator, Photoshop. Second part of the semester, the focus on UX design using Adobe XD. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 3960.
- 4590. FURTHER EXPLORATION OF PHOTOGRAPHY.** (3-3-0). In this class, students would identify an area of photography to be investigated in depth. Students will investigate a topic/question/subject in photography, videography, mixed-media, or a variation of camera-based art. Students must be motivated, and self-directed in order to be successful in this class. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 4490 or consent of instructor.
- 4610. NEW MEDIA DESIGN III.** (3-1-4). Contemporary problems in new media design including concept development and visualization, practical application of nonlinear navigation systems and information architectures, media integration and device independent design. Majors and minors must earn a "C" or better to pass this course.
- 4690. PORTRAIT PHOTOGRAPHY.** (3-3-0). Fundamentals of portrait photography: lighting, posing, positioning, framing, retouching, and related skills necessary to make stunning portraits. Students will learn how to make portraits in various natural lighting conditions, as well as studio lighting using strobes and flash. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 4560 or consent of instructor.

- 4780. PRINTMAKING IV.** (3-1-5). Advanced personal experimentation with mixed media appropriate to individual pursuits. Refinement of technical competence and proficiency. Majors and minors must earn a "C" or better to pass this course. Prerequisite: 4480.
- 4810. NEW MEDIA DESIGN IV.** (3-1-4). Advanced types, applications and outcomes. The utilization of multiple media technologies in the development of web, interactive and experimental projects. Experimentation with video, motion graphics, and 3-D communications design and development of a digital portfolio. Majors and minors must earn a "C" or better to pass this course.
- 4890. ADVERTISING AND COMMERCIAL PHOTOGRAPHY.** (3-3-0). Students will learn how to create professional commercial photographs by learning skills, methods and lighting techniques. In this class students will make a professional commercial image of both products and people. Students will learn how to edit images and final set of commercial imagery that is professionally made and indistinguishable from actual advertisements. Majors and minors must earn a "C" or better to pass this course. Prerequisites: ART 4490 or consent of instructor.
- 4960. GRAPHIC COMMUNICATION V.** (3-1-5). Advertising Design. Setting objectives. Defining target audience. Planning an advertising strategy. Creating an advertising message. Producing an ad. Placing the ad in a mock-up. Software: Photoshop, Illustrator, and InDesign, After Effects, XD. Majors and minors must earn a "C" or better to pass this course. Prerequisite: ART 4560 or consent of instructor.
- 4980. PROFESSIONAL PRACTICE FOR ARTISTS AND DESIGNERS: INDUSTRY AND INTERNSHIP EXPERIENCE.** (3-3-0). This advanced course gives senior art and design students the opportunity to engage in meaningful professional experiences that bridge the gap between academic learning with industry or professional practice. By participating in internships, project-based assignments, and collaborative projects with local businesses and organizations, students will gain valuable experience in a professional setting. A letter grade of C or better is required for majors.
- 4990. SENIOR EXHIBITION/SENIOR DESIGN PROJECT.** (3-1-3). **FOR GRAPHIC COMMUNICATIONS OR INTERDISCIPLINARY DESIGN CONCENTRATION:** the senior project is a compilation of projects that focus fundamentally on advertising design. Students must produce a whole project: Brand, Visual Identity, Editorial, animated elements, 3D models, and advertising. Projects can have some variation and may focus on different areas depending on the complexity and direction of the project. **FOR STUDIO ART OR CRAFTS CONCENTRATION:** The Senior Exhibition course focuses on the completion and display of an individual, cohesive body of work by graduating Senior students as well as preparation of a portfolio that reflects the exhibition. All ART Majors must take 4990 their senior year to satisfy graduation requirements. Prerequisite: 4980 and senior standing. Majors and minors must earn a "C" or better to pass this course.
- <sup>1</sup> Minimum grade of "C" required of art majors.
- <sup>2</sup> If six hours are to be taken during one semester, they must be divided between two areas of study. May be repeated for a maximum of nine semester hours.
- For Graduates Only
- 5010. ADVANCED PROBLEMS IN PAINTING.** (3-1-5). Contemporary trends; research and laboratory practice in painting problems. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
- 5020. ADVANCED PROBLEMS IN DRAWING.** (3-1-5). Contemporary trends; research and laboratory practice in drawing problems. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
- 5080. ADVANCED PROBLEMS IN DESIGN.** (3-1-5). Work in design-related subjects. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
- 5090. ADVANCED PROBLEMS IN PHOTOGRAPHY.** (3-1-5). Student selects an area of photography to be investigated in depth. May include new technical applications and equipment, creative theme development in black and white, color, filmmaking, or a combination of any of these. Student must present a paper or creative project at the end of the course. May be repeated for a total of six hours credit when topic varies.
- 5110. ADVANCED PROBLEMS IN CRAFTS.** (3-1-5) Advanced experience in the design and construction of various craft projects. Prerequisite: Consent of instructor. May be repeated for a total of twelve hours credit when topic varies. Subtitles: 01 - Stained Glass, 02 - Musical Instrument Construction, 03 - Exhibition Techniques, 04 - Mixed Media.
- 5130. ADVANCED PROBLEMS IN SCULPTURE.** (3-1-5). Exploration in a specialized direction of personal significance. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5140. EXPERIMENTAL STUDIO.** (3-1-5). Work with a member of the faculty in new and experimental studio problems. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5220. ADVANCED GRAPHICS.** (3-1-5). Exploration in a specialized direction of personal significance. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5240. GRADUATE STUDIO.** (3 to 6-1-5). Advanced studio problems. Students must meet with instructor to approve specific problem in writing prior to registration. Prerequisite: Consent of instructor. May be repeated for a total of fifteen hours credit when topic varies. Subtitles: 01 - Painting, 02 - Drawing, 03 - Sculpture, 04 - Design, 05 - Ceramics, 06 - Advertising Art, 07 - Watercolor, 08 - Stained Glass, 09 - Photography, 10 - Graphics.
- 5420. ADVANCED PROBLEMS IN WATERCOLOR.** (3-1-5). Further experimentation with watercolor as a medium. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5440. ADVANCED PROBLEMS IN CERAMICS.** (3-1-5). Clays, glazes, computation, and measurements. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5450. ADVANCED PROBLEMS IN COMMERCIAL ART.** (3-1-5). Planning and execution of a complete design project such as a web-site design, multimedia design, computer graphics, illustration of sequential art. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
- 5460. RESEARCH IN ART HISTORY.** (3 to 6-6-0). Research in art history. Prerequisite: Consent of instructor.
- 5700. ADVANCED PROBLEMS IN NEW MEDIA DESIGN.** (3-1-4). Advanced problem/solution equations involving research and experimentation. Prerequisite: Graduate status and consent of instructor subsequent to portfolio review.
- 5900. GRADUATE SEMINAR.** (3-3-0). Discussion of contemporary trends and developments in art; investigation of studio or theoretical problems.
- 5950. RESEARCH IN ART.** (3 to 6-3-0). Research techniques and their application in visual arts; preparation of prospectus.

- 5970. CREATIVE RESEARCH DOCUMENTATION.** (3-3-0). Research Techniques and their application in the field of visual arts through intensive individual investigation in the use of primary sources of documentation – graduate thesis part one.
- 5980. CREATIVE RESEARCH EXHIBITION.** (3-3-0). Continuation of Art 5970. Research techniques and their application in the field of visual arts through intensive individual investigation and application – graduate thesis part two.

## BIOLOGY (BIOL)

For Undergraduates Only

- 1010. BIOLOGICAL PRINCIPLES I.** (3-3-0). This is the first course in a two-part survey of fundamental biological science. Emphasis is placed on the molecular basis of life, cell structure, metabolism, reproduction, genetics, and gene expression. Corequisite: BIOL 1011. (Students may not receive credit for both Biology 1010 and Science 1020).
- 1011. BIOLOGICAL PRINCIPLES LABORATORY I.** (1-0-2). This is a companion laboratory of BIOL 1010. Corequisite: BIOL 1010.
- 1020. BIOLOGICAL PRINCIPLES II.** (3-3-0). This is the second course in a two-part survey of fundamental biological science. Emphasis is placed on diversity of life on earth, evolution, ecology, and plant and animal form, function, and development. Prerequisite: BIOL 1010-1011; Corequisite: BIOL 1021. (Students may not receive credit for both Biology 1020 and Science 2020).
- 1021. BIOLOGICAL PRINCIPLES LABORATORY II.** (1-0-2) This is a companion laboratory of BIOL 1020. Corequisite: BIOL 1020.
- 1050. INTRODUCTION TO PLANT SCIENCE.** (3-2-1). Introduction to the plant kingdom. Emphasis placed on the understanding and development of higher plants primarily those associated with floriculture, food, and fiber. This course will cover soil characteristics associated with plant culture as well as basic plant propagation through various techniques. Emphasis will be focused on creating life skills relating to gardening both flower, vegetable and basic landscape application.
- 1060. MEDICAL TERMINOLOGY.** (3-3-0). The study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, and roots.
- 2030. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification. Prerequisite: satisfactory completion of the mathematics core (six hours). Corequisite: Enrollment in 2031.
- 2031. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Computer exercises on various topics in GIS. Corequisite: Enrollment in 2030.
- 2040. INTRODUCTORY ANIMAL SCIENCE.** (3-3-0). Modern animal agriculture; problems of breeding, feeding, management, and marketing.
- 2050. INVERTEBRATE ZOOLOGY.** (3-3-0). The biology of all major animal phyla will be examined in a phylogenetic context. Topics will include, but will not be restricted to, development, anatomy, behavior, and ecology. Research articles from the recent primary literature will be discussed in class. Prerequisites: Registration in or credit for 2051; Biology 1020-1021.
- 2051. INVERTEBRATE ZOOLOGY LABORATORY.** (1-0-3). Laboratory will consist of examination and observation of living and preserved specimens. Students will make a representative collection of invertebrate phyla available locally. Prerequisite: Registration in or credit for 2050.
- 2060. MICROBIOLOGY I.** (3-3-0). This introductory course is designed to acquaint students with microorganisms and their activities. Topics covered include microbial cell structure and function, metabolism, and genetics, as well as the control of microbial growth, and the role of microorganisms in disease. Corequisite: BIOL 2061. (Students may not receive credit for both BIOL 2060 and BIOL 2210).
- 2061. MICROBIOLOGY LABORATORY I.** (1-0-3). This course is designed to introduce students to basic techniques in microbiology, such as laboratory safety, aseptic technique, microscopy, staining, culturing, and quantification. Corequisite: BIOL 2060.
- 2070. FORENSIC ENTOMOLOGY.** (3-3-0). The scientific examination of insects and other arthropods associated with the decomposition of human and animal remains, feedstuffs, as well as insects or their parts associated with humans or their activities. Prerequisite: BIOL 1020-1021. Co-requisite: 2071.
- 2071. FORENSIC ENTOMOLOGY LABORATORY.** (1-0-3). The forensic entomology laboratory will familiarize students with the biology and identification of insects and other arthropods of forensic significance. Co-requisite: 2070.
- 2080. COMPARATIVE ANATOMY.** (2-2-0). The vertebrate systems, morphology, taxonomy, and evolution of the chordate groups; comparative dissections of dogfish, necturus and cat. Prerequisites: Biology 1020-1021. Co-requisite: Biology 2081.
- 2081. COMPARATIVE ANATOMY LABORATORY.** (2-0-4). Co-requisite: BIOL 2080.
- 2090. MICROBIOLOGY II.** (3-3-0). This course is a continuation of Microbiology I. The role of microbes in diverse natural systems, microbial nutrition, growth ecology, genetics, metagenomics and environmental interactions will be explored. Prerequisite: BIOL 2060.
- 2091. MICROBIOLOGY LABORATORY II.** (1-0-3). This course is designed to introduce students to the advanced techniques encountered in microbiology laboratories, such as determining bacterial growth curves and enumeration via plating, direct count, UV measurement, flow cytometry. The growth rates will be measured as influenced by temperature, pH, osmotic pressures via salts and other environmental pressures. Culturing of anaerobic bacteria with emphasis on biodegradation and industrial production will be investigated. Prerequisite: Credit in BIOL 2061 and registration in BIOL 2090.
- 2100. GENERAL BOTANY.** (2-2-0). Structure and functions of plant cells, tissues, and organs; nutrition, metabolism, water relations, growth of plants. Prerequisite: Registration in or credit for 2101; Biology 1020-1021 or consent of instructor.
- 2101. GENERAL BOTANY LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 2100.
- 2120. SOIL SCIENCE.** (2-2-0). Fundamentals. Origin, composition, and classification of soils; their physical, chemical, and biological properties; significance of these properties to soil-plant relationships and soil management. Prerequisite: registration in or credit for CHEM 1040, 1031, 1041, or 1070. Co-requisite: BIOL 2121.
- 2121. SOIL SCIENCE LABORATORY.** (1-0-2). Co-requisite: BIOL 2120.
- 2140. INTRODUCTORY PLANT TAXONOMY.** (2-2-0). Identification and classification of local seed plants and ferns; field trips and collections; keys, manuals and herbaria. Prerequisite: Registration in or credit for 2141; Biology 1020-1021.

- 2141. INTRODUCTORY PLANT TAXONOMY LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 2140.
- 2150. DENDROLOGY.** (2-2-0). Principal trees of Southeast U.S.; identification and distribution; introduction to keys. Prerequisite: Registration in or credit for 2151.
- 2151. DENDROLOGY LABORATORY.** (1-0-2). Field identification of trees of Southeast U.S. Prerequisite: Registration in or credit for 2150.
- 2180. NATURAL RESOURCES POLICY.** (3-3-0). This course examines the evolution of wildlife, fisheries, and other natural resources policy, law, and administration in the United States. Historical development, present laws, and likely future trends will be examined. Emphasis will be placed on federal laws and agencies, along with the influence of federal policies on state agencies. Additional topics include a survey of the administration and responsibilities of Louisiana's natural resources agencies, the influence of non-government organizations on natural resources policy, and international policies.
- 2190. SURVEY OF MYCOLOGY.** (3-3-0). This course provides a survey of the field of mycology. Focus will be placed on understanding the general nature, structure, function, and biochemistry of the fungi as well as their roles/impact in the environment, biotechnology, and health/medicine. Prerequisite: BIOL 2090, junior standing or permission of instructor.
- 2210. MICROBIOLOGY FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). An introduction to the subject of microbiology, including: basic microbial cell structure and function, microbial metabolism, control of microbial growth, and the impact of microbes on human health. Students may not receive credit for this course and BIOL 2060.
- 2240. INTRODUCTORY HUMAN GENETICS.** (3-3-0). Fundamental concepts and tools in modern medical practice of genetics. Emphasis is placed on: principles of inheritance, normal and pathological genetic variation in humans, and modern techniques used in identification and screening of genetic disorders. Students may not receive credit for this course and BIOL 3270.
- 2250. ANATOMY AND PHYSIOLOGY I FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). This course is the first of a two-part series designed to provide Nursing and Allied Health majors with a foundation in human biology with emphasis on clinical aspects and the interrelatedness of organ systems. This course covers cell biology, histology, and structure and function of the integumentary, musculoskeletal, and nervous systems.
- 2251. ANATOMY AND PHYSIOLOGY LABORATORY I FOR NURSING AND ALLIED HEALTH MAJORS.** (1-0-2). This is a companion lab for BIOL 2250. Prerequisite: Registration in or credit for BIOL 2250.
- 2260. ANATOMY AND PHYSIOLOGY II FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). This course is the second of a two-part series designed to provide Nursing and Allied Health majors with a foundation in human biology with emphasis on clinical aspects and the interrelatedness of organ systems. This course covers structure and function of the endocrine, circulatory, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL 2250.
- 2261. ANATOMY AND PHYSIOLOGY LABORATORY II FOR NURSING AND ALLIED HEALTH MAJORS.** (1-0-2). This is a companion lab for BIOL 2260. Prerequisite: Registration in or credit for BIOL 2260.
- 2290. INTRODUCTION TO WILDLIFE AND FISHERIES MANAGEMENT.** (3-3-0). Survey of wildlife populations including ecology and management principles. Emphasis on resident wildlife of the South including white-tailed deer, wild turkey, rabbits, tree squirrels, bob-white quail, alligators, and other game, non-game, exotic and endangered species and predators. Survey of fish populations including biology and management principles. Emphasis on resident warm-water fish and coastal anadromous species management to include largemouth bass, striped and hybrid striped bass, sunfish, crappie, catfish, and other species of interest. Pond and reservoir management will be addressed as well commercial fisheries and aquaculture. Management of organisms, habitats, and human users will be examined from an ecological and sociological perspective.
- 2300. ENVIRONMENTAL HEALTH.** (3-3-0). This course is designed to provide an overview of environmental health. Environmental health focuses on the health interrelationships between people and their environment, promotes human health and well-being, and fosters a safe and healthful environment. Topics include the role of environmental health in contemporary society, an overview of current environmental issues (global warming, biodiversity, conservation, pollution, wetlands, sustainable agriculture, population growth), agents of environmental disease, and tools used by public health officials.
- 2500. TOXICOLOGY: THE SCIENCE OF POISONS.** (3-3-0). This course covers basic principles of toxicology and toxic effects of drugs and chemicals from an organ/system perspective. The general principles are broadly applicable; the organ/system discussion is applicable principally to mammalian (including human) toxicology and includes dose-response relationships, biotransformation, mechanisms of toxicity, and means of assessing toxicity for various organs.
- 2950. BIOLOGY LABORATORY TEACHING PRACTICUM.** (1-0-3). Specifically designed to involve students in the preparation and evaluation of a biology laboratory through direct participation in laboratory activities. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: 1011-1021.
- 2990. ENVIRONMENTAL LAW.** (3-3-0). This course will provide students with an overview of some of the major environmental statutes in the United States; address the variety of regulatory tools and concepts that can be used to prevent environmental harm, focusing on the proper match between regulatory tool and environmental harm; and discuss the role of other disciplines (e.g., science) and alternative means (e.g., public awareness) to facilitate changes in environmental policy. Prerequisite: Six hours of microbiology and core English completion.
- 3010. ENTOMOLOGY.** (2-2-0). Introduction to Phylum Arthropoda. Fundamentals of morphology, physiology, systematics, and life histories. Prerequisites: Registration in or credit for 3011; Biology 1020-1021.
- 3011. ENTOMOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3010.
- 3020. PHARMACOLOGY.** (3-3-0). This course is designed to offer a description of the clinical use of pharmacological agents, and provide an understanding of the mechanisms by which therapeutics alter biological function. Each class of FDA approved drug products will encompass the effects of medications on different organ systems, and in the context of clinical diagnoses of disease. Prerequisite: CHEM 1040.

- 3030. DISEASES OF FARM ANIMALS.** (3-3-0). Causative agents, prevention, diagnosis and treatment. Prerequisite: BIOL 2040; VTEC 2090-2091, or consent of instructor.
- 3040. ORNITHOLOGY.** (2-2-0). Techniques of bird study; adaptive significance and evolution of bird behavior, ecology, physiology and morphology; field identification and natural histories of Louisiana species. Prerequisite: Registration in or credit for 3041; Biology 1020-1021.
- 3041. ORNITHOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3040.
- 3050. PRINCIPLES OF ANIMAL NUTRITION.** (3-3-0). Digestion, absorption, utilization, chemical composition values of nutrients. Prerequisite: Four hours of general chemistry and three to four hours of organic chemistry.
- 3060. BIOSTATISTICS.** (3-3-0). Statistical analysis of biological data. Parametric and nonparametric statistics. Prerequisite: Mathematics 1020; Co-requisite: BIOL 3061.
- 3061. BIOSTATISTICS LABORATORY.** (1-0-2). This is a companion laboratory of BIOL 3060. Students will be introduced to the programming language R, which is designed for statistical analysis and graphical representation of data. Data analysis will complement, and augment topics covered in BIOL 3060. Co-requisite: BIOL 3060.
- 3070. CONSERVATION BIOLOGY.** (3-3-0). This course covers the biological aspects of rarity and how plant and animal populations respond to human activities. We will also examine techniques used to protect and restore threatened and endangered plants and animals.
- 3080. INTERNSHIP IN BIOLOGY.** (1 to 6-0-3 to 16). The course is designed to place students in internships with local, state, or federal governmental entities, private industry partners or non-profit organizations within the field of biology. Students will gain work-based learning experience and connect with professionals in their field of study. Students will work a minimum of 3 contact hours per credit hour up to a maximum of 6 credit hours and 256 contact hours. At the conclusion of the course, students will write an in-depth paper detailing their work experience. Students will also be evaluated by the internship supervisor to provide feedback on their work performance. Internships will be arranged with partnering agencies before enrollment in the course. Prerequisite: Departmental Permission.
- 3090. FOOD MICROBIOLOGY.** (2-2-0). Role of microorganisms in food industries, their focus on disease-causing microbes associated with food; as well as the use of microbes in food production. Prerequisite: 2060 and 2061.
- 3091. FOOD MICROBIOLOGY LABORATORY.** (2-0-4). Laboratory techniques used in the detection, elimination and prevention of disease-causing microbes associated with food; utilization of microbes in food production. Prerequisite: 2060 and 2061.
- 3110. GEOMICROBIOLOGY.** (3-3-0). The first half of this course covers basic principles of geomicrobiology including how microorganisms influence carbon, nitrogen, phosphorus, sulfur cycles as well as the metabolism of hydrocarbons. The second half of this course applies those principles to current biotechnology – specifically, the microbiology occurring in man made environments such as wastewater and drinking water treatment, bioremediation, and the corrosion of infrastructure. Prerequisites: BIOL 2090, CHEM 1040.
- 3130. MICROBIAL GENOMICS.** (3-3-0). This lecture course is designed to provide students with a broad overview of microbial genomes. Emphasis is placed on specificities of both, prokaryotic and eukaryotic microbial genomics, and their applicability. Prerequisite: BIOL 2060 or BIOL 3270.
- 3140. HERPETOLOGY.** (2-2-0). Classification, structure, evolution, natural history, and distribution of amphibians and reptiles. Laboratory emphasis on Louisiana forms. Collection required. Prerequisite: BIOL 2080-2081, or consent of instructor. Co-requisite: BIOL 3141.
- 3141. HERPETOLOGY LABORATORY.** (1-0-3). Co-requisite: BIOL 3140.
- 3170. HISTOLOGY.** (2-2-0). Cytology and microanatomy of animal tissues, principally mammalian. Prerequisites: BIOL 1020-1021, 2080-2081. Co-requisite: BIOL 3171.
- 3171. HISTOLOGY LABORATORY.** (2-0-4). Co-requisite: BIOL 3170.
- 3210. GENERAL PARASITOLOGY.** (3-3-0). Introduction to principles of parasitology and major parasite groups affecting human and non-human host. Prerequisite: BIOL 1010/1011 and 1020/1021. Corequisite: BIOL 3211.
- 3211. GENERAL PARASITOLOGY LABORATORY.** (1-0-3). This is a companion laboratory of BIOL 3210. Co-requisite: BIOL 3210.
- 3220. WILDLIFE MANAGEMENT AND TECHNIQUES.** (3-3-0). Methods and principles of studying animal populations; population growth, movements, measurements and modeling; habitat management and alteration; legislation and wildlife management; administration and planning; management applications to big game, small mammals, water-fowl, shore and upland birds, non-game, endangered and exotic species; animal damage and impacts. Prerequisites: Registration in or credit for 3221; Biology 1020-1021.
- 3221. WILDLIFE MANAGEMENT AND TECHNIQUES LABORATORY.** (1-0-3). Use of literature to include data bases; research methods; population dynamics; control of animal populations; values of regulations, refuge system, artificial propagation, predator control and habitat improvement; trapping, tapping, marking, telemetry procedures; restoration, restocking and hacking programs; field trips to area wildlife management agencies at federal, state, and private levels. Three-day weekend trip to an area such as Rockefeller Wildlife Refuge is required. Prerequisite: Registration in or credit for 3220.
- 3250. CELL BIOLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of basic cellular functions. Emphasis is placed on cell structure, organelle function, intracellular transport mechanisms, and intracellular and extracellular signaling. Prerequisites: BIOL 1010-1011.
- 3270. GENETICS.** (3-3-0). Principles of heredity and their application to plants and animals, including man. Prerequisite: Eight hours of biological sciences to include either Biology 1020-1021, or SBIO 1830-1831. Corequisite: 3271.
- 3271. GENETICS LABORATORY.** (1-0-3). This lab is designed to introduce the students to basic techniques in microbial and yeast genetic analyses. Emphasis is placed on demonstrating experimentally the topics discussed in BIOL 3270. Prerequisite: Eight hours of biological sciences to include either Biology 1020-1021, or SBIO 1830-1831. Corequisite: 3270.
- 3280. EVOLUTION.** (3-3-0). This course is designed to introduce students to the basic mechanisms of evolution, including adaptive and neutral processes. Evolution will be examined at scales ranging from molecular to ecological, and in populations over a few generations to over millennia. Emphasis will be placed on connections of evolution to molecular, developmental, and behavioral biology, physiology, genetics, ecology and environmental science. Prerequisite: BIOL 2020.
- 3290. EPIDEMIOLOGY.** (3-3-0). Spread and control of infectious diseases; role of hospital personnel in diagnosis, spread, and control of infection in the hospital and community. Prerequisite: BIOL 2060 or 2210.
- 3310. HUMAN ANATOMY AND PHYSIOLOGY I.** (3-3-0). This course and BIOL 3320, are a two-part series designed to provide Biology majors interested in health care professions with an integrated understanding of the structure and function of human organ systems. BIOL 3310 covers the integumentary, skeletal, muscular, and nervous systems. Prerequisites: BIOL 1010, 1020. Co-requisite: BIOL 3311.

3311. **HUMAN ANATOMY AND PHYSIOLOGY LABORATORY I.** (1-0-3). This is a companion laboratory for BIOL 3310. Prerequisite: registration in or credit for BIOL 3310.
3320. **HUMAN ANATOMY AND PHYSIOLOGY II.** (3-3-0). This course and BIOL 3320, are a two-part series designed to provide Biology majors interested in health care professions with an integrated understanding of the structure and function of human organ systems. BIOL 3320 covers the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL 3310. Co-requisite: BIOL 3321.
3321. **HUMAN ANATOMY AND PHYSIOLOGY LABORATORY II.** (1-0-3). This is a companion laboratory for BIOL 3320. Prerequisite: registration in or credit for BIOL 3320.
3340. **ANIMAL BEHAVIOR.** (3-3-0). Perception of the external world; orientation; motivation; social behavior; communication. Prerequisites: Biology 1020-1021; junior standing.
3341. **ANIMAL BEHAVIOR LABORATORY.** (1-0-3). Experiments designed to illustrate the principles of animal behavior; communication. Prerequisites: Biology 1020-1021; or consent of instructor; junior standing.
3500. **FORENSIC DEATH INVESTIGATION.** (3-3-0). The scientific techniques used in medicolegal investigations, injury and death, firearm injuries, transportation injuries, physical injuries, trauma and disease, asphyxial deaths, infanticide and forensic evidence and records for the court. Prerequisite: BIOL 1020-1021. Corequisite: 3501.
3501. **FORENSIC DEATH INVESTIGATION LABORATORY.** (1-0-2). The laboratory will address physical evidence associated with human remains including forensic botany and palynology, serology, taphonomy and anthropology. Co-requisite: 3500.
3630. **DISEASES OF WILDLIFE.** (3-3-0). Study of infectious diseases, including parasites, bacteria, and viruses that infect wildlife. Emphasis given to diseases and wildlife common to the southeastern region of the United States. Prerequisite: BIOL 1020.
3830. **BIOINFORMATICS.** (3-3-0). An exploration of the databases, high throughput technologies, and methods used when generating, mining, processing, managing, visualizing, and analyzing genomic data. Emphasis is placed on practical considerations associated with appropriate use of the methods covered in the course. Prerequisite: BIOL 2240 or BIOL 3270 and joint enrollment in the associated lab course, BIOL/SBIO 3831.
3831. **BIOINFORMATICS LABORATORY.** (1-0-3). Hands-on computer-based exercises designed to familiarize students with the software and web-based databases, visualization, and analytical tools discussed in BIOL/SBIO 3830. Emphasis is placed on practical considerations associated with appropriate use of the tools covered in the course. Prerequisite: BIOL 2240 or BIOL 3270 and joint enrollment in the associated lecture course, BIOL/SBIO 3830.
3900. **SPECIAL TOPICS IN BIOLOGY.** (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor. This course may be repeated any number of times, but no more than 9 credit hours may be applied toward a B.S. degree.
3901. **SPECIAL TOPICS IN BIOLOGY LABORATORY.** (1 to 3-0-1 to 9). In-depth laboratory component of various upper- level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor. Co-requisite: 3900. This course may be repeated any number of times, but no more than 3 credit hours may be applied toward a B.S. degree.
4030. **MARINE ECOLOGY.** (4-4-0). Relationships of marine and estuarine organisms; ecological process of energy and materials flow; communities and ecosystems of Louisiana coastal zone. Prerequisites: BIOL 1020; BIOL 2050. Two to three field trips to Louisiana Marine Consortium coast laboratory [LUMCON]. Field trips are required to pass the course.
4040. **MAMMALOGY.** (3-3-0). Behavior, ecology, physiology, morphology, evolution, and zoogeography of mammals; taxonomy of mammals of the world; techniques of mammal study; identification of Louisiana species. Prerequisites: Registration in or credit for 4041; Biology 1020-1021.
4041. **MAMMALOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 4040.
4060. **EMBRYOLOGY.** (3-3-0). Principles of animal development with emphasis on fruit fly, roundworm, zebrafish, chicken, and mammalian embryology. Prerequisites: BIOL 1020-1021. Corequisite: BIOL 4061.
4061. **EMBRYOLOGY LABORATORY.** (1-0-3). In-depth laboratory study of both living and preserved animal embryos. Prerequisites: BIOL 1020-1021. Corequisite: BIOL 4060.
4070. **CARDIOVASCULAR PHYSIOLOGY.** (3-3-0). This course provides instruction on the fundamental understanding of the molecular and cellular physiology of the cardiovascular system. Topics include the anatomy, physiology, and pathology of the vasculature in relation to heart disease. Prerequisite: BIOL 3250.
4120. **PATHOGENIC MICROBIOLOGY.** (3-3-0). Micro-organisms that cause disease in man and animals; their isolation and identification; mechanisms of disease causation; and methods of control. Prerequisites: BIOL 2060-2061. Co- requisite: BIOL 4121.
4121. **IMMUNOLOGY AND PATHOGENIC MICROBIOLOGY LABORATORY.** (1-0-3). This is the companion laboratory of BIOL 4120 and BIOL 4190. This laboratory course is designed to introduce students to advanced microbial techniques by working with Biosafety level 2 agents in a microbiology laboratory. This course also introduces students to basic techniques in immunology, with an emphasis on exploring antigen-antibody interactions. Prerequisite: Registration in or credit in Biology 4120 or 4190.
4130. **NEUROSCIENCE.** (3-3-0). In this course, the structures and functions of the human nervous system will be explored. Nerve cells and how they communicate chemically will be studied as well as the sensory systems such as touch, vision, and olfaction. The neurobiology of human behavior, including learning and memory, emotions, and language will also be examined. Finally, the mechanisms involved in the changing brain that can influence circuit differentiation along with repair and regeneration of the nervous system will be discussed. Prerequisite: BIOL 1010, 1020.
4150. **ANIMAL BREEDING.** (3-3-0). Basic genetic principles in livestock breeding and selection; use of heritability estimates, inbreeding and crossbreeding. Prerequisite: BIOL 2040; three hours of genetics; senior standing or consent of instructor.
4160. **BIOLOGICAL SCIENCES INSTRUMENTATION.** (1-1-0). This course introduces students to the theoretical principles behind major biological instruments, and to their practical use in research and analytical laboratories. Prerequisite: BIOL 2060-2061, 4300-4301.
4161. **BIOLOGICAL SCIENCES INSTRUMENTATION LABORATORY.** (2-0-4). This is a companion laboratory of BIOL 4160. Co-requisite: BIOL 4160.
4170. **LIMNOLOGY-AQUATIC BIOLOGY.** (2-2-0). Physical, chemical and biological properties of inland waters. Prerequisites: Registration in or credit for 4171; Biology 1020-1021; six hours of chemistry.

- 4171. LIMNOLOGY-AQUATIC BIOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 4170.
- 4180. BIOLOGY OF FISHES.** (2-2-0). Taxonomy, anatomy, physiology, evolution life history and ecology of freshwater fishes. Prerequisites: registration in or credit for 4181; 2060-2061, or consent of instructor.
- 4181. BIOLOGY OF FISHES LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4180.
- 4190. IMMUNOLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of immune responses. Topics covered include the cells and tissues of the innate and acquired immune systems, antibody production, lymphocyte activation and specificity, and immune effector functions. Prerequisites: BIOL 2060-2061, 3250. BIOL 3270-3271 strongly recommended but not required.
- 4191. IMMUNOLOGY LABORATORY.** (1-0-3). This course is designed to introduce students to basic techniques in immunology. Emphasis is placed on exploring antigen-antibody interactions. Co-requisite: BIOL 4190.
- 4210. APPLIED MICROBIOLOGY.** (2-2-0). Microbiological aspects of milk, food, industry, soils, water and domestic wastes. Prerequisite: 2060-2061. Co-requisite: BIOL 4211.
- 4211. APPLIED MICROBIOLOGY LABORATORY.** (2-0-4). Co-requisite: BIOL 4210.
- 4220. COMPARATIVE VERTEBRATE PHYSIOLOGY.** (3-3-0). Comparison of the physiological adaptation of various vertebrate groups to their environment. Water balance, body temperature and energy metabolism, respiration, circulation, sensory and nervous systems. Prerequisites: BIOL 3310-3311 or 2080-2081. Co-requisite: BIOL 4221.
- 4221. COMPARATIVE VERTEBRATE PHYSIOLOGY LABORATORY.** (1-0-3). Co-requisite: BIOL 4220.
- 4230. ENDOCRINOLOGY.** (3-3-0). This course is designed to provide a broad overview of human endocrinology. Course topics will include the history and evolution of hormones, hormone synthesis, receptors and target tissues, mechanisms of action and regulation. Focus will be on classical endocrine systems. Prerequisites: BIOL 3310 and BIOL 3320 or BIOL 2080 and BIOL 4220.
- 4240. PARASITOLOGY TECHNIQUES.** (2-0-4). Advanced, practical study of techniques commonly used in parasitology. Includes classical techniques and molecular techniques. Prerequisites: BIOL 3210 or BIOL 3630 or BIOL 4260 or permission of instructor.
- 4260. MEDICAL ENTOMOLOGY.** (3-3-0). In this course you will learn the biology, disease relationships, and control of various arthropods of medical and/or One Health importance; epidemiological concepts and pathogen-vector relationships. Prerequisites: BIOL 1010, 1020, 2020.
- 4261. MEDICAL ENTOMOLOG LABORATORY.** (1-0-3). In this laboratory course you will learn survey, collection, and taxonomy methods of arthropods of medical and/or One Health importance. Corequisite: BIOL 4260.
- 4270. VIROLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of the basic biological properties of animal viruses. Emphasis is placed on viral life cycles (including replication and gene regulation), viral pathogenesis, and virus-host cell interactions. Prerequisite: BIOL 2060-2061; BIOL 3270 strongly recommended but not required.
- 4280. PATHOPHYSIOLOGY.** (3-3-0). This course provides an in-depth study of human pathological processes and their effects of homeostasis. Emphasis is on interrelationships among organ systems in deviations from homeostasis. Course topics include the etiology, clinical manifestations, and complications of commonly occurring diseases. Prerequisites: BIOL 3310 and BIOL 3320 or BIOL 2080 and BIOL 4220.
- 4300. MOLECULAR BIOLOGY I.** (3-3-0). This is the first course in a two-part series designed to introduce students to the principles and practices of Molecular Biology. BIOL 4300 covers, in depth, the core cellular functions: replication, recombination, repair, transcription and translation. Emphasis is placed on the intricate and highly interconnected regulatory mechanisms that control these functions, including the temporal and spatial order of gene expression, signal transduction mechanisms, as well as the field of Bioinformatics. Prerequisite: BIOL 1010, 1020, 2060, 3250, and 3270. Co-requisite: BIOL 4301.
- 4301. MOLECULAR BIOLOGY LABORATORY I.** (1-0-3). This is a companion laboratory to BIOL 4300. Students will be introduced to the most common techniques of modern molecular biology, including PCR, recombinant DNA technology, and DNA fingerprinting. Co-requisite: BIOL 4300.
- 4310. MOLECULAR BIOLOGY II.** (3-3-0). This is the second course in a two-part series designed to introduce students to the principles and practices of Molecular Biology. BIOL 4310 expands of the topics covered in BIOL 4300 and discusses them from a different perspective. In addition to studying "what goes on" in the cell, students will be introduced to the scientific methodologies used to arrive at our current knowledge, i.e., "how we got here". Additional emphasis is placed on emerging technologies including genomic and proteomic analyses, gene therapy and designer therapeutics. Prerequisite: BIOL 4300-4301. Co-requisite: BIOL 4311.
- 4311. MOLECULAR BIOLOGY LABORATORY II.** (1-0-3). This is a companion laboratory to BIOL 4310. Students will be introduced to advanced techniques of modern molecular biology, including cloning, expression of recombinant proteins, and monitoring of gene expression activity. Co-requisite: 4310.
- 4320. CANCER BIOLOGY.** (3-3-0). This course will explore the complex and often paradoxical factors involved in the etiology, progression and treatment of cancer. Students will discuss cancer from different perspectives, including epidemiology, physiology, genetics, immunology, molecular, and cellular biology. Prerequisites: BIOL 3250, 3270, and 4190.
- 4340. BIOETHICS.** (3-3-0). In this course, we will explore the major ethical issues that confront the fields of biomedical science and medicine. Students will analyze these ethical positions and examine relevant case studies. After studying the key facts to each ethical issue, students will be asked to consider their perspective and participate in rigorous debates where they can present their opposing arguments. Prerequisites: BIOL 1010, 1020.
- 4400. GENERAL ECOLOGY.** (3-3-0). Fundamental ecological principles with reference to ecosystem structure and function and interrelationship among and between living and non-living components of nature. Prerequisite: Registration in or credit for 4401, 1020-1021; junior standing or consent of instructor.
- 4401. GENERAL ECOLOGY LABORATORY.** (1-0-3). Sampling and field methods measurements of abiotic and biotic factors. Prerequisite: Registration in or credit for 4400 or consent of instructor.

- 4410. ADVANCED PARASITOLOGY.** (3-3-0). Advanced study of major concepts in parasitology, including transmission, immunology, pathogenesis, pharmacology, biochemistry, anatomy & physiology, disease control, ecology, evolution, conservation, and biodiversity. Prerequisites: BIOL 3210, BIOL 3630, BIOL 4260, or approval by instructor.
- 4500. ENVIRONMENTAL TOXICOLOGY.** (3-3-0). This course is designed to provide Biology majors with an overview of environmental toxicology, including an examination of the major pollutant classes, their environmental fate, disposition within organisms, and toxicity mechanisms. An emphasis will also be placed on how naturally occurring and anthropogenic toxicants affect the health of living organisms and ecological processes. Prerequisites: BIOL 2500, CHEM 3010.
- 4730. CLINICAL HEMATOLOGY AND COAGULATION.** (6-0-0). Normal and diseased blood characteristics, hematopoiesis, anemias, hemoglobinopathies, leukemias, mechanisms of blood coagulation, manual and automated methods of hematology and quality control; performing tests such as complete blood cell counts, red blood cell indices, sedimentation rates, hematocrits, coagulation rates and factor analysis of manual and automated methods.
- 4740. CLINICAL URINALYSIS.** (2-0-0). Renal morphology, physiology, diseases and diagnostic procedures; chemical and microscopic examination of urine.
- 4750. CLINICAL CHEMISTRY.** (8-0-0). Theory and application of chemical analysis of body fluids in normal and disease states; procedures of manual methods, autoanalyzers, chromatography, electrophoresis, toxicology, radioimmunoassay, blood gas analysis, instrument calibration and maintenance, test evaluation and quality control.
- 4760. CLINICAL IMMUNOLOGY AND SEROLOGY.** (2-0-0). Principles of immunology and serology and their application to medical laboratory diagnosis; detecting specific antibodies associated with disease, quality control techniques and interpretation of findings.
- 4770. CLINICAL MICROBIOLOGY.** (7-0-0). Isolation, identification, characteristics, diseases caused, disease mechanisms and methods of control of bacteria, mycobacteria, fungi and animal parasites; manual and automated techniques for isolation and identification of microorganisms.
- 4780. CLINICAL IMMUNOHEMATOLOGY.** (4-0-0). Theory and practice of blood banking. Typing and cross matching blood, donor processing, screening and identification of atypical antibodies, recognition of abnormal tests, quality control procedures, administration and technical operation; typing and cross matching, donor blood selection, detection of abnormal antibodies, blood processing, plasmapheresis, and other blood component fractionation procedures.
- 4790. LABORATORY MANAGEMENT.** (1-0-0). Theory and practice of management of laboratory personnel, education, certification, data, quality control, supplies and interaction with patients, hospital personnel and physicians.
- 4880. BIOMATERIALS IN HEALTHCARE: ENGINEERING AND MARKET SOLUTIONS.** (3-3-0). This course integrates materials science, engineering, biology, and medicine to develop innovative engineering materials. It focuses on cutting-edge biomaterials for healthcare applications, commercialization process, psychological aspects, and includes ethical, societal, and environmental considerations to enhance student skills and knowledge to advance materials research and bring innovations to market.
- 4900. UNDERGRADUATE SEMINAR.** (1-0-0). Reports and discussions on current research. May be repeated any number of times, but no more than two hours may be applied toward a B.S. degree.
- 4910. CRITICAL READING.** (1-1-0). This is a senior level course that will train students to search, read, critique, and draw conclusions from the primary scientific literature. Prerequisite: senior status or permission of the instructor.
- 4920. SPECIAL PROBLEMS IN MARINE SCIENCE.** (1 to 4-0-0). Directed undergraduate research and study at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.
- 4930. MICROBIAL PHYSIOLOGY.** (3-3-0). Prokaryotic cell biology will be discussed primarily from physiological and biochemical standpoints with a focus on conceptual understanding, integration, and mechanism. Bioenergetics, cell adhesion, the molecular basis of morphogenesis and differentiation, prokaryotic motility and cellular processes related to environmental stresses. Prerequisites: BIOL 2090 and 2190 or CHEM 3010.
- 4940. PROBLEMS IN BIOLOGICAL SCIENCES.** (1 to 3-0-0). Independent undergraduate research. Requirements include: student-instructor meeting as frequently as needed; presentation of the procedures, results, and conclusions of the project in the form of a research paper. Prerequisites: junior standing; consent of the department head and proposed research director. This course may be repeated any number of times, but no more than 6 hours may be applied toward a B.S. degree. Areas of concentration are identified as follows:  
01-anatomy  
02-animal science: animal care and health  
03-animal science: judging techniques  
04-animal science: livestock processing  
05-animal science: meat operations  
06-animal science: nutrition and feeding  
07-animal science: production methods  
08-animal science: reproduction  
09-animal science: selection and evaluation  
10-behavior  
11-biochemistry  
12-botany  
13-development  
14-entomology  
15-fish  
16-genetics  
17-herpetology  
18-immunology  
19-invertebrate zoology  
20-limnology  
21-mammalogy  
22-microbiology  
23-molecular and cell biology  
24-ornithology  
25-parasitology  
26-physiology  
27-wildlife
- 4960. WILDLIFE MANAGEMENT PRACTICUM.** (2-0-0). Work experience with federal, state or private industry concerned with management of natural resources. Required of all wildlife minors and coordinated through departmental faculty and cooperating agency. Written report. Prerequisite: Consent of departmental faculty.
- 4970. CAPSTONE COURSE FOR BIOLOGY.** (3-3-0). This class is designed to provide students an opportunity to integrate and apply the knowledge and skills they have acquired during their undergraduate education through an individually-directed research project. The capstone experience will include background research, experimental design, and execution of the experiment. Accommodations to the above description may be granted upon permission of the department head. Prerequisite: senior standing.



- 4990. CAPSTONE COURSE FOR MICROBIOLOGY.** (3-3-0). This class is designed to provide students an opportunity to integrate and apply the knowledge and skills they have acquired during their undergraduate education through an individually-directed research project. The capstone experience will include background research, experimental design, and execution of the experiment. Accommodations to the above description may be granted upon permission of the department head. Prerequisite: senior standing.
- 4995. SCIENTIFIC COMMUNICATION.** (3-3-0). This class is designed to guide students through the process of scientific communication. Students will present their original research data from their capstone course through writing a scientific paper, creating a poster presentation, and/or giving an oral seminar. Students will also prepare professional communication materials, such as a cover letter and curriculum vitae. At the conclusion of the course, students will be required to submit a reflective writing piece about their capstone experience. Prerequisite: BIOL 4970 or 4990.

## BIOMEDICAL ENGINEERING TECHNOLOGY (BMET)

For Undergraduates Only

- 2020. INTRODUCTION TO BIOFLUID MECHANICS.** (3-3-0). This course covers essential scientific and engineering principles applied in healthcare and the human body. Review of fundamental physics principles and their practical applications in healthcare, such as imaging techniques, prosthetics, drug delivery, and nanotechnology. Engineering analysis of the cardiovascular system, focusing on pressure-flow dynamics in arteries and the elastic properties of arterial walls. Prerequisites: MATH 1020 or consent of the instructor.
- 3320. DIGITAL SIGNAL PROCESSING.** (3-3-0). Overview of medical equipment networking and telecommunications. Digital signal processing. Digital image processing systems. Prerequisites: Credit for or registration in Electronics Engineering Technology 3310-3311 and Biomedical Engineering Technology 3321 or consent of the instructor.
- 3321. DIGITAL SIGNAL PROCESSING LABORATORY.** (1-0-2). Laboratory course to accompany BMET 3320. DSP software and programming, sinc function, digital filters and Z-transform, statistical analysis, convolution, image processing, Fourier and fast Fourier transforms, digital signal processors. Prerequisite: Credit for or registration in 3320.
- 3370. BIOMEDICAL INSTRUMENTATION.** (3-3-0). Introduction to electronic acquisition and analysis of biomedical signals and imaging; biomedical transducers and actuators; signal conditioning; instrumentation amplifiers; characteristics, practical design, testing, and applications of electronic biomedical measuring instruments. Principles of machine learning. Prerequisites: 3320-3321, credit for or registration in 3371; Electronics Engineering Technology 3310-3311 or consent of instructor.
- 3371. BIOMEDICAL INSTRUMENTATION LABORATORY.** (1-0-2). Laboratory course to accompany BMET 3370. Basic biomedical equipment, data acquisitions and analysis, practical aspects of measurement and instrumentation, biomedical transducers and actuators, amplifiers and instrumentation amplifiers, microcontrollers, computers and programming in medical instruments, patient monitoring systems, x-rays and radiation, temperature and pressure sensors, ECG/EKG testing, biomaterials properties and testing, principles of machine learning. Prerequisite: credit for or registration in 3370 or consent of instructor.

- 4390. BIOMEDICAL DIGITAL COMMUNICATIONS.** (3-3-0). Introduction to signals and systems; fundamentals of analog and digital communication systems; principles of digital signal processing; biomedical signal transmission techniques; data network protocols and standards; and transmission media. Prerequisite: EET 2350-2351, or consent of instructor.
- 4391. BIOMEDICAL DIGITAL COMMUNICATIONS LAB.** (1-0-2). Signals and systems; analog and digital communication systems; digital signal processing; biomedical signal transmission techniques; data networks; and transmission media. Prerequisite: credit for or registration in BMET 4390.
- 4950. BIOMEDICAL ENGINEERING TECHNOLOGY INTERNSHIP.** (3 to 6-0-0). This course, along with Electronics Engineering Technology 4940, is the capstone experience for students in the biomedical concentration within the Electronics Engineering Technology program. Students will complete no fewer than 180 hours of student internship. Students must complete periodic evaluations, special projects, and a final report. Prerequisites: 3370, 3371, Electronic Engineering Technology 4300, 4301, 4940, English 3230, and senior status.

## BUSINESS ADMINISTRATION (BUAD)

For Undergraduates Only

- 1040. FUNDAMENTALS OF BUSINESS ENTERPRISE.** (3-3-0). The American business system; business organization and management; finance; marketing; government regulation of business.
- 1800. INTRODUCTION TO INFORMATION TECHNOLOGY.** (3-3-0). An introductory course, focusing on the use of file management; word processing, presentation, and data base management; and social issues related to information technologies.
- 2120. BASIC BUSINESS STATISTICS.** (3-3-0). A basic statistical foundation is developed; emphasis is then placed upon practical business applications including hypothesis testing, ANOVA, contingency table analysis, and introductory regression analysis; material is related directly to business applications. Prerequisite: CIS 1090 or CIS 2000 and any of the following: MATH 1060, 1090, 1100, 1810, 2010, 2050; SMAT 1820, 2000.
- 2180. OFFICE PRODUCTIVITY SOFTWARE I.** (3-3-0). Review of Windows Operating System file management tasks. Emphasizes applications of common office productivity software including Word, Excel, Access, PowerPoint, and Outlook. Course is designed to assist students in preparation for one or more of the MCAS (Microsoft Certified Application Specialist) tests for certification.
- 2200. BUSINESS REPORTS AND COMMUNICATION.** (3-3-0). Communication problems, business letters, employment application procedures. Problem areas investigated by research procedures; sources of data, compilation and arrangement of data, documentation, bibliography, and effective presentation. Prerequisite: BUAD 1800 or CIS 1090 or equivalent, ENGL 1010 and ENGL 1020.
- 3120. INTERMEDIATE BUSINESS STATISTICS.** (3-3-0). Parametric tests applied to business and economic problems. Prerequisite: BUAD 2120 or SSTA 2810.
- 3270. INTERNATIONAL BUSINESS.** (3-3-0). Pertinent dimensions of the global business environment. Focusing on the international aspects of management, marketing, finance, accounting and economics. Various theories related to global business will be presented and applied in the form of cases. Prerequisites: ECON 2000 and BUAD 2200.

- 3300. ADVANCED ARTIFICIAL INTELLIGENCE BUSINESS COMMUNICATIONS.** (3-3-0). This course explores the application of artificial intelligence (AI) in transforming business communication processes. Students will develop the knowledge and skills necessary to leverage AI tools for enhancing communication strategies, decision-making, and operational efficiency in business environments. Topics include AI-driven content creation, customer interaction automation, sentiment analysis, ethical considerations, and the integration of AI into corporate communication workflows. The course emphasizes both technical understanding and practical implementation of AI in real-world business communication scenarios. Prerequisite: BUAD 1800.
- 4000. READING AND DISCUSSION.** (3-3-0). Problems and issues of contemporary significance for the business community. May be repeated 3 times for up to 9 hours. Subtitles:  
01-Accounting  
02-Finance  
03-Marketing  
04-Management  
05-Business  
06-Computer Information Systems
- 4160. U.S. AND FOREIGN BUSINESS CENTERS.** (1 to 6-0-0). Study tours of selected centers of business and economic activity in the U.S. and abroad. Prerequisite: Consent of instructor.
- 4190. SMALL BUSINESS ENTREPRENEURSHIP.** (3-3-0). Analysis of small business operations. Integration of knowledge and application of theories across functional areas. Prerequisite: FIN 3090, MGT 3220, and MKTG 3230.
- 4800. MICROCOMPUTER APPLICATIONS II.** (3-3-0). An exploration of software applications to enhance business competencies. Students will learn and apply advanced features of software applications with an emphasis on giving presentations. Prerequisite: BUAD 1800 or CIS 1090 or consent of instructor.
- 4900. SENIOR SEMINAR.** (2-2-0). Topics on preparation and transition to the professional world. Includes development of resumes, resume tapes, and portfolios; interviewing skills; and business etiquette. Prerequisite: FIN 3090 or MGT 3580 or Permission of Instructor.
- 4910. INTERNSHIP/FIELD EXPERIENCE.** (3-3-0). Internship or professional work experience in the student's area of specialization, designed by the host organization and approved by the university instructor. The use of practice in the field to reflect on previously learned theory. A minimum of 100 total clock hours required with periodic evaluations, reflections on theory and practice, and a final report/presentation. Prerequisite: Approval of instructor. May be repeated 1 time for up to 6 hours.

## BUSINESS EDUCATION (BUED)

For Undergraduates Only

- 4200. CAREER AND VOCATIONAL EDUCATION IN AMERICAN SCHOOLS.** (3-3-0). Principles and philosophies of cooperative vocational education. Relationship of vocational education to general education. Development of cooperative training under the George-Barden, George-Dean Acts, the Vocational Act of 1963, as amended; current career education legislation. Prerequisite: of instructor.
- 4220. COOPERATIVE EDUCATION PROGRAM.** (3-3-0). Developing and coordinating a cooperative education program in the secondary school. Prerequisite: Education 2020, Educational Psychology 3000, or consent of instructor.

- 4230. HUMAN RELATIONS IN BUSINESS EDUCATION.** (3-3-0). Human relations and its importance in the educational, occupational, economic, and social activities of an individual involved in the instruction and/or supervision of other persons in office occupations or distributive education. (Same as Distributive Education 4230).

For Graduates Only

- 5100. BASIC PRINCIPLES IN BUSINESS EDUCATION.** (3-3-0). Problems facing business education; principles underlying a sound program; development and evaluation of aims of business education in terms of the contribution made to the general program of secondary education.
- 5200. CAREER AND VOCATIONAL EDUCATION IN AMERICAN SCHOOLS.** (3-3-0). Principles and philosophies of cooperative vocational education. Relationships of vocational education to general education. Development of cooperative training under the George Barden, George Dean Acts, the Vocational Act of 1963, as amended; current career education legislation.
- 5220. COOPERATIVE EDUCATION PROGRAMS.** (3-3-0). Developing and coordinating a cooperative education program in the secondary school.
- 5950. RESEARCH PROBLEMS IN DISTRIBUTIVE AND BUSINESS EDUCATION.** (1 to 6-0-0).
- 6210. IMPROVEMENT OF INSTRUCTION IN SECRETARIAL STUDIES.** (3-3-0). New classroom procedures and teaching techniques developed from recent research and experimentation; stages of learning and the type of instruction and instructional materials used in each; problems of individual teachers and individual learners examined, and possible solutions worked out.
- 6220. IMPROVEMENT OF INSTRUCTION BOOKKEEPING.** (3-3-0). Problems and techniques related to the skills, objectives, and content of bookkeeping; source of materials and suggested techniques for instruction and testing.
- 6230. IMPROVEMENT OF INSTRUCTION IN GENERAL BUSINESS.** (3-3-0). Problems, skills, objectives, and content of general business; techniques of presentation, testing, and source material.

## BUSINESS LAW (BLAW)

For Undergraduates Only

- 2250. BUSINESS LAW I.** (3-3-0). The study of the legal development of law, an overview of the court system, legal concepts underlying business crimes and torts, contracts, employer-employee relationships, commercial paper, and property rights, ethics. Prerequisite: BUAD 2200.
- 3260. BUSINESS LAW II.** (3-3-0). Legal concepts underlying the areas of sales, creditors' rights, secured transactions, bankruptcy, business organizations including sole proprietorships; review of the UCC, and ethics. Partnerships and corporations, agencies, lenders and director's liability, and accountants' liability. Prerequisite: BUAD 2200.
- 3270. HEALTHCARE LAW.** (3-3-0). The healthcare industry is heavily regulated by a complex web of federal and state laws and regulations in the U.S. Individuals in this space must navigate these legal topics while still delivering vital healthcare to patients. This course seeks to introduce students to these laws and to help them have a basic understanding of various legal concepts that are specifically related to healthcare professionals.
- 3280. CYBER BUSINESS LAW.** (3-3-0). Legal aspects of owning and operating a business online as well as maintaining, securing and protecting private data on computer networks and webpages. Intellectual property rights, online jurisdictional issues, privacy and the first amendment in an online world and domain name rights; legal aspects concerning e-commerce and cyber taxation. Prerequisite: Junior standing and must have taken BUAD 2200.

- 3290. EMPLOYMENT AND LABOR LAW.** (3-3-0). Employment and labor are governed by multiple federal and state law and court decisions. Administrative agencies also provide legal rules that business must adhere to as well as these governmental organizations hand down decisions that shape the contractual relationship between employers and employees. This course seeks to introduce students to these laws, regulations, and cases to help them understand that compliance with employment and labor laws are critical for a business owner to be successful.
- 3300. FINTECH AND FINANCIAL SERVICES LAW.** (3-3-0). This particular course will look at artificial intelligence, big data, blockchain, cryptocurrencies, and other technologies that are present in the global financial services sector and the laws and policies surrounding them. The course will include an examination of whether current law has kept up with the newest fintech developments or are we in uncharted legal territory. Prerequisite: Junior standing.

## CHEMISTRY (CHEM)

For Undergraduates Only

- <sup>1</sup>1030. GENERAL CHEMISTRY I.** (3-3-0). Atomic structure, chemical bonding and bonding geometries, stoichiometry, electromagnetic spectrum, properties of aqueous solutions and gases. Required for students who plan to take 1040, 2000- or 3000-level chemistry courses. Prerequisite: Placement in Mathematics 1020. (May not receive credit for both Chemistry 1030 and Science 1010).
- 1031. GENERAL CHEMISTRY I LABORATORY.** (1-0-3). Basic chemistry experiments; development of basic skills such as using Bunsen burners, knowing names of different chemical apparatus, learning techniques such as filtration, spectroscopy and chromatography. Corequisite: CHEM 1030 or equivalent.
- 1040. GENERAL CHEMISTRY II.** (3-3-0). Continuation of 1030. Thermodynamics, properties of solutions, kinetics chemical equilibrium, acid/base chemistry, and electrochemistry. Prerequisite: Credit for Chemistry 1030 and registration in or credit for 1041. (may not receive credit for both Chemistry 1040 and Science 2010).
- 1041. GENERAL CHEMISTRY II LABORATORY.** (1-0-3). Introduction to general laboratory skills and methods. Experiments related to topics in Chemistry 1040 including thermodynamics, properties of solutions, kinetics, equilibrium, acid/base chemistry and electrochemistry. Prerequisites: Credit for Chemistry 1030-1031 and credit for or registration in 1040.
- <sup>1</sup>1070. FUNDAMENTALS OF CHEMISTRY FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). This course taken by Nursing and Allied Health majors, is a study of atomic and molecular structure, intermolecular bonding and interactions, properties of the various states of matter, chemical kinetics, equilibrium, chemical thermodynamics, and biological macromolecules. Focus will also be placed on basic organic chemistry and fundamental biochemistry with an emphasis on health-related applications. Prerequisite: Placement in Mathematics 1020. (May not receive credit for both Chemistry 1070 and Science 1010).
- 2110. QUANTITATIVE ANALYSIS.** (3-3-0). Chemical equilibrium; pH and indicators; solutions; oxidation-reduction and the calculations of analytical chemistry; reliability of measurements; theory and applications of gravimetric, volumetric, and other representative analytical procedures. Prerequisite: Registration in or credit for 2111; 1040, 1031, 1041.
- 2111. QUANTITATIVE ANALYSIS LABORATORY.** (1-0-3). Application of the theory and procedures of gravimetric, volumetric, and some instrumental analysis; safety and basic laboratory techniques related to Chemistry 2110. Prerequisite: Credit for Chemistry 1041 and registration in or credit for 2110.

- 2120. INTRODUCTION TO INSTRUMENTAL ANALYSIS.** (3-3-0). Use of modern chemical instrumentation including atomic and molecular spectroscopy, mass spectrometry, separation science, and electrochemical methods. Sample preparation, data acquisition, data analysis, and troubleshooting. Prerequisite: Registration in or credit for 2121; 2110-2111.
- 2121. INTRODUCTION TO INSTRUMENTAL ANALYSIS LABORATORY.** (1-0-3). Operating principles of modern chemical instrumentation. Applications of atomic and molecular spectroscopy, mass spectrometry, separation methods, and electrochemical methods. Prerequisite: Registration in or credit for 2120.
- 2140. INORGANIC CHEMISTRY.** (3-3-0). An introduction to basic inorganic chemistry including a systematic study of the periodic table with emphasis on the structure, properties and reaction of inorganic compounds, transition metal compounds and crystal structure and properties, solid state materials and application of the inorganic compounds in real life. Prerequisite: 1030, 1031, 1040 and 1041.
- 2141. INORGANIC CHEMISTRY LABORATORY.** (1-0-3). A laboratory course involving the preparation and characterization of compounds of common elements, including salts, coordination complexes and covalent compounds. Prerequisite: Registration in or credit for 2140.
- 2160. ENVIRONMENTAL CHEMISTRY.** (3-3-0). Introduction to chemical processes that regulate the composition of air, water, and soil. This course will focus on (1) understanding reaction mechanisms of natural systems and how these are affected by human activities, and (2) how measures such as sustainability and green chemistry can be used to mitigate the ecological footprint of these activities. Students will receive an introductory instruction on the analysis of environmental samples. Prerequisite: CHEM 1040.
- 2200. PRACTICUM FOR CHEMISTRY TEACHING.** (1 to 0). Supervised experiences in teaching in the chemistry laboratory. Required for secondary education majors with chemistry as a primary or secondary teaching area and recommended for chemistry majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: Consent of department head.
- 3010. ORGANIC CHEMISTRY I.** (3-3-0). First half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: Registration in or credit for 3011; Chemistry 1030, 1031, 1040, 1041.CHEM
- 3011. ORGANIC CHEMISTRY I LABORATORY.** (1-0-4). Study and development of experimental techniques in organic chemistry: synthesis, separation and purification of organic compounds. Use of spectroscopic methods for the study and identification of organic molecules. Prerequisite: Registration in or credit for 3010.
- 3020. ORGANIC CHEMISTRY II.** (3-3-0). Second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ether, ketones, amines, acids and their derivatives. Prerequisite: Registration in or credit for Chemistry 3021; 3010-3011.
- 3021. ORGANIC CHEMISTRY II LABORATORY.** (1-0-4). Continuation of 3011. Study of transformation processes in organic compounds. Reaction processes include: Grignard reaction, esterification, hydrolysis, Diels-Alder reactions, natural product extraction and reduction/oxidation processes. Application of spectroscopic techniques for organic compounds characterization. Prerequisites: Registration in or credit for Chemistry 3020 and credit for CHEM 3011.

- 3100. MEDICINAL CHEMISTRY.** (3-3-0). This course is designed to introduce the student to the great moments of the history of drug discovery, the current state of the science of drug discovery, and the future direction of the science of drug discovery. The course will begin with the fascinating and often serendipitous history of the discovery of drugs, progress into contemporary, more rational approaches toward drug discovery today (both chemical and biological), and end with speculations on the future of drug discovery. An overview of therapeutic approaches will be studied, and within each approach, we will study individual case studies. The reading assignments will come from both text material and current scientific literature.
- 3210. CHEMICAL THERMODYNAMICS.** (3-3-0). Principles and applications of chemical thermodynamics. Prerequisite: Physics 2520 and Math 2110.
- 3220. CHEMICAL KINETICS AND QUANTUM MECHANICS.** (3-3-0). Continuation of 3210. Chemical kinetics; quantum chemistry with applications to molecular structure and spectroscopy. Prerequisite: 3210 or Physics 3710. Registration in or credit for Chemistry 3221.v
- 3221. PHYSICAL CHEMISTRY LABORATORY.** (2-0-4). Experiments in the areas of thermodynamics, kinetics, and quantum chemistry. Prerequisite: Registration in or credit for Chemistry 3220.
- 3230. FORENSIC TOXICOLOGY** (3-3-0). Analysis of drugs and body fluids. Topics include pharmacodynamics and pharmacokinetics, postmortem toxicology, pain management testing, human performance drug testing, and drug facilitated crimes. Emphasis will also include specimen collection, preparation/extraction and instruments used for analysis. Prerequisite: Credit for CHEM 1040.
- 3240. FORENSIC TESTIMONY** (1-1-0). Dynamics of courtroom presentation of forensic evidence including the burden on and role of the "expert witness." Issues concerning chain-of-custody, forensic findings and their implications.
- 3500. FORENSIC DEATH INVESTIGATION.** (3-3-0). This course provides an in-depth understanding of forensic death investigations, including principles, methods, and techniques used to determine the cause and manner of death. Topics include crime scene investigation, forensic pathology, postmortem changes, and legal aspects of death investigations. Students will explore real-world case studies and gain practical skills relevant to the field. Pre-requisite: BIOL 1020-1201, CHEM 1040-1041. Co-requisite: CHEM 3501.
- 3501. FORENSIC DEATH INVESTIGATION LABORATORY.** (1-0-2). This course provides a comprehensive, hands-on exploration of forensic death investigation techniques. Students will gain practical experience in handling death scenes, analyzing evidence, determining causes and manners of death, and applying medico-legal principles. The course is designed to bridge the gap between theoretical knowledge and practical application in forensic science. Co-requisite: CHEM 3500. Same as BIOL 3501.
- 3900. SPECIAL TOPICS IN CHEMISTRY.** (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in chemistry; in particular, those not included explicitly among the catalog listings. Prerequisite: 1030-1031, 1040-1041 or consent of instructor. This course may be repeated any number of times, but no more than 9 credit hours may be applied toward a B.S. degree.
- 4040. GENERAL BIOCHEMISTRY I.** (3-3-0). Chemistry of constituents of living matter; carbohydrates, lipids, proteins, nucleic acids, inorganic and other organic materials; chemistry of enzymes as highly specific protein catalysts. Prerequisites: BIOL 1010, 1020, CHEM 3010-3011; BIOL 3250 and CHEM 2110-2111 strongly recommended but not required.
- 4041. GENERAL BIOCHEMISTRY I LABORATORY.** (1-0-3). General experiments in biochemistry; modern biochemical-type instrumentation. Prerequisite: Registration in or credit for 4040.
- 4050. GENERAL BIOCHEMISTRY II.** (3-3-0). Continuation of 4040. Chemical transformation in living matter; metabolism of carbohydrates, lipids, proteins, nucleic acids, and other biochemical matters. Prerequisite: 4040-4041.
- 4140. ADVANCED INORGANIC CHEMISTRY.** (3-3-0). Advanced treatment of atomic and molecular structure, molecular symmetry and group theory, molecular orbitals, organometallic compounds, homogeneous and heterogeneous catalysis and acid-base redox reactions. Prerequisite: Chemistry 2140, 3010, 3220.
- 4160. FORENSIC CHEMISTRY.** (3-3-0). Application of instrumentation and methodologies to the separation, identification, and comparison of trace evidence from crime scene samples. Prerequisite: Chemistry 2120 and 2121 or declared major in physical science with a concentration in forensic laboratory science. Registration in or credit for 4161.
- 4161. FORENSIC CHEMISTRY LABORATORY.** (2-0-4). Evidence collection, sample handling, documentation, and application of chemical instrumentation and other methods to evidence collected from crime scenes. Registration in or credit for CHEM 4160 required.
- 4880. BIOMATERIALS IN HEALTHCARE: ENGINEERING AND MARKET.** (3-3-0). This course integrates materials science, engineering, biology, and medicine to develop innovative engineering materials. It focuses on cutting-edge biomaterials for healthcare applications, commercialization process, psychological aspects, and includes ethical, societal, and environmental considerations to enhance student skills and knowledge to advance materials research and bring innovations to market. Prerequisites: MATH 2010 or similar and MATH 2050 or similar.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Literature search and critical analysis of current chemistry research. Students will present a seminar on a chemistry topic approved by instructor. No more than two hours may be applied toward a B.S. degree.
- 4910. CAPSTONE COURSE FOR CHEMISTRY.** (3-3-0). This class is designed to provide students an opportunity to integrate and apply the knowledge and skills they have acquired during their undergraduate education through an individually-directed research project. The capstone experience will include background research, experimental design, and execution of the experiment. Accommodations to the above description may be granted upon permission of the department head. Prerequisite: senior standing.
- 4920. SCIENTIFIC COMMUNICATION.** (3-3-0). This class is designed to guide students through the process of scientific communication. Students will present their original research data from their capstone course through writing a scientific paper, creating a poster presentation, and/or giving an oral seminar. Students will also prepare professional communication materials, such as a cover letter and curriculum vitae. At the conclusion of the course, students will be required to submit a reflective writing piece about their capstone experience. Prerequisite: CHEM 4910.
- 4950. RESEARCH PROBLEMS IN CHEMISTRY.** (1 to 4-0-0). Individual laboratory investigation, the results presented both in a formal report and orally, either at a departmental seminar or professional meeting. Prerequisite: Consent of department head. This course may be repeated any number of times, but no more than 6 hours may be applied toward a B.S. degree.

<sup>1</sup> Credit may not be obtained for both 1030 and either Science 1010 or Chemistry 1070.

## CHILD AND FAMILY STUDIES (CFS)

For Undergraduates Only

- 1070. PROFESSIONALISM IN CHILD AND FAMILY STUDIES.** (3-3-0). Introduction to the field of child and family studies with emphasis on the roles and responsibilities of becoming a professional in the areas of early childhood education, food and nutrition, human development, family intervention, advocacy and public policy, and community-based social services. Identification of professional organizations, ethical and legal guidelines, proper business etiquette, professional standards, and critical issues in the field. For declared CFS majors and CFS minors only.
- 1090. INTRODUCTION TO CHILDREN AND FAMILIES.** (3-3-0). Introduction to the study of children and families within their near environments, including the home, school, and community.
- 2000. CHILD DEVELOPMENT.** (3-3-0). Physical, cognitive, social, and emotional development of the child within the context of the family. Emphasis on the biological, cultural, theoretical, and environmental influences on development. Introduction to developmentally appropriate guidance strategies and techniques in the early and middle childhood years.
- 2040. INFANT AND TODDLER DEVELOPMENT.** (3-3-0). Growth and development of the child from conception to age three. Study of the influences on infant and toddler development, as well as the importance of close and responsive relationships between infants and toddlers and their primary caregivers.
- 2060. ADOLESCENT DEVELOPMENT.** (3-3-0). Physical, cognitive, social, and emotional development of individuals from early adolescence through emerging adulthood with an emphasis on ecological systems theory and its impact on adolescent functioning within the family.
- 2090. PRESCHOOL PROGRAM ADMINISTRATION.** (3-3-0). Analysis of the policies and procedures, regulations, and daily operating tasks of preschool programs serving young children, particularly infants and toddlers. The staff's role in delivering high-quality, organized, and intentional services to infants, toddlers, preschoolers, young children, families, and the community with a focus on accountability, evaluation, leadership, marketing, retention, and professionalism. Assessment of developmentally appropriate spaces in early education settings with emphasis on activities, equipment, furnishings, materials and schedules, focusing on those of the infant and toddler populations.
- 2500. CLASSROOM OBSERVATION IN CHILD DEVELOPMENT.** (3-3-4). Directed observation and examination of relationship-based curriculum and developmentally appropriate practices in a classroom learning environment. Placement in a licensed child care center or elementary school with children aged birth to eight required. Prerequisites: CFS 1070, CFS 2000, CFS 2040, and CFS 2090.
- 3000. THE CHILD'S ENVIRONMENT.** (3-3-0). A study of the relationship between the power of the environment and its impact on children. Assessment of developmentally appropriate spaces in homes and early education settings with emphasis on activities, equipment, furnishings, materials, and schedule. Guidance for families in the development of safe and nurturing spaces for young children with a focus on the value of play.
- 3020. PARENTING.** (3-3-0). A study of parent-child interaction as it informs child growth and development with emphasis on diverse family forms, parenting styles and strategies, cultural and theoretical influences on parenting, and the effects of discipline and punishment on children's behavior. Analysis of the parenting role from a multicultural and critical perspective.
- 3030. INDIVIDUAL AND FAMILY MANAGEMENT.** (3-3-0). Strategies and techniques for locating and utilizing resources to meet personal and family goals. Prerequisite: Junior standing.
- 3500. CULTURAL AND SOCIETAL ISSUES AFFECTING FAMILIES.** (3-3-0). A critical examination of cultural and societal issues affecting and influencing individuals and families with an emphasis on race/ethnicity, socioeconomic status, gender, sexuality, and ability. Introduction to the tenets of privilege, power, and oppression within a global context. Application of anti-bias and social justice strategies to strengthen individual and family development.
- 3700. PLAY, LEARNING, AND THE BRAIN.** (3-3-0). Examination of nature and the value of play in relation to infant brain development. Develop a definition of play, and defend the importance of play in constructing knowledge, social skills, language, creativity, impulse control, and problem solving. The role of play in infancy, and in early childhood, and the study of brain development of infants, toddlers and preschoolers will be emphasized.
- 4000. FAMILY LIFE EDUCATION.** (3-3-0). Concepts of healthy family functioning using a family systems perspective. Proactive versus reactive approaches to educate families in crisis involving program development and evaluation. For declared CFS majors only. Prerequisite: Junior standing.
- 4010. PERSPECTIVES IN CHILD AND FAMILY STUDIES.** (3-3-0). Critical analysis of current trends and issues in the field of child and family studies. Professional development practices to strengthen the transition from student to professional with a focus on ethics and etiquette, resume building, interview skills, and social media responsibility. This course should be taken during the student's first semester of the senior year. Prerequisites: CFS 1070 and senior standing.
- 4080. FAMILIES AS CONSUMERS.** (3-3-0). The role of the family in the economic market with a focus on the principles of buying and purchasing household commodities. Analysis of policies that support consumer rights and responsibilities. The role of the media and technology on individual and family spending. Prerequisite: Junior standing.
- 4110. SPECIAL PROBLEMS IN CHILD AND FAMILY STUDIES.** (1 to 3-3-3). Individual and class study of specialized problems; for advanced students who are interested in and have a need for work in a particular area of child and family studies.
- 4140. FAMILY FINANCE.** (3-3-0). Economic concerns of individuals and families with emphasis on budgeting, income, expenditures, and standards and levels of living. Application of financial planning strategies to family well-being. Prerequisite: Junior standing.
- 4160. FAMILY DEVELOPMENT.** (3-3-0). Concepts of family systems theory as applied to relationships in family living over the lifespan. Prerequisite: Junior standing.
- 4170. DYNAMICS OF CHILDREN AND FAMILIES WITHIN COMMUNITIES.** (3-3-0). Analysis of how, when, and why families with young children interact with the community and the importance of how to implement family involvement programs. Concepts of family systems theory and human ecological theory relative to children and families. Analysis of how the community can nourish all family forms. Application of community involvement with children and families. Prerequisite: Junior standing.
- 4500. INTERNSHIP IN CHILD AND FAMILY STUDIES.** (6 to 12-3-12 to 24). Internship in the student's area of interest designed to blend theory and practice. On-site periodic evaluation of student progress and culminating project required. This course should be taken in the student's final semester. Prerequisites: CFS 4010 and senior standing, or consent of program.

## COMMUNICATION (COMM)

For Undergraduates Only

- 1010. ORAL COMMUNICATION.** (3-3-0). Development of desirable habits for normal speaking situations; effective use of voice, oral language, and bodily actions; basic principles of effective oral presentations. Open to all students.
- 1020. ANNOUNCING FOR MEDIA.** (3-3-0). Students learn principles and practice of announcing and to develop a range of on-air and recording and voice-tracking skills applicable to electronic and other media platforms, including television, radio, podcasts, and online formats.
- 1040. WRITING FUNDAMENTALS FOR COMMUNICATION PROFESSIONALS.** (3-3-0). A writing course to assist communication majors and minors in using language to communicate effectively with diverse audiences through varied message formats. Students will practice writing clearly, concisely, and coherently and will be introduced to Associated Press and American Psychological Association writing styles. Prerequisite: English 1010 and 1020 with at least a "C" in each course.
- 1100. INTRODUCTION TO SPORTS MEDIA: FANS, ATHLETES AND BIG MONEY.** (3-3-0). Survey course examines the media industry's decisive role in the booming growth and lasting effect of sports in our communities, business and pop culture. Includes a history of sports media and focuses on how emerging media technologies are revising what is considered sports media. Emphasizes coverage (and hype) of athletes and analysis of sports fan audiences in U.S. and global.
- 1980. MASS COMMUNICATIONS PRACTICUM.** (1-1-0). Supervised activity on the university communication media, professional association competitions, student communication agencies, or other faculty approved experimental components of the journalism degree program. Prerequisite: Consent of instructor. Course may be repeated for credit but only three hours of credit may be applied toward a degree.
- 2010. ADVANCED PUBLIC SPEAKING.** (3-3-0). For students who have had elementary work in public speaking and who desire experience in developing more extended public addresses. Preparation and delivery of extemporaneous speeches, including selection and arrangement of material, audience analysis, and techniques of effective delivery. Prerequisite: 1010.
- 2020. MASS MEDIA AND SOCIETY.** (3-3-0). Survey of historical development of mass media; communication agencies in society; areas of professional work in mass communication; concept of global village and impact of print and non-print media.
- 2040. MEDIA LAW AND ETHICS.** (3-3-0). Course explores the legal and ethical limitations and privileges affecting media content in the United States. Prerequisite: Sophomore standing.
- 2050. PERSUASIVE COMMUNICATION.** (3-3-0). Theories of persuasion, attitude change, and message design for print and broadcast; focus on principles of propaganda, understanding motivations, and message strategies.
- 2060. HEALTH COMMUNICATION.** (3-3-0). Health communication is a field of study that encompasses theories, research, and applications of the symbolic processes by which people, both individually and collectively, understand, share ideas about, and accommodate to health and illness. This class is designed to be an overview of significant concepts and issues that have emerged in health communication scholarship. The sources for this scholarship are interdisciplinary, but the core of our attention will be focused on the communicative implications of health beliefs, practices, and policies.
- 2110. ATHLETICS PRODUCTION AND FAN ENGAGEMENT.** (3-3-0). Survey of modern practices in athletic event game management and fan engagement. Students will produce event scripts, videoboard content, and music playlists; design and implement promotional games that elevate atmosphere and meet the requirements of corporate partnership agreements; strategize to incorporate creativity and sound logistics into an overall timeline that includes communication and consideration to all relevant departments/organizations. Prerequisite: Sophomore standing.
- 2200. FUNDAMENTALS OF VIDEO EDITING.** (3-3-0). This course focuses on providing students with a strong foundation in basic video editing principles using Adobe software. Practical hands-on experience with projects ensures students are equipped to create simple videos by course completion.
- 2360. PRINCIPLES OF STRATEGIC COMMUNICATION.** (3-3-0). Course introduces students to strategic communication principles, procedures, and practices that generate targeted messaging and build relationships between internal and external publics. Prerequisite: Sophomore standing.
- 2400. AUDIO PRODUCTION.** (3-3-0). An introduction to the planning and production of audio in electronic media, this course examines the special issues, techniques and production of audio communication. It will explore the elements of audio production and performance in electronic media. Designed to give students knowledge of the theory and practice of producing audio content in a competitive media environment. The course explores radio production, sound for video, podcasting and current trends in audio media delivery. Fundamental to course is laboratory experience in audio production. Prerequisite: Sophomore standing.
- 2440. VIDEO PRODUCTION.** (3-3-0). An introduction to the process of creating video including an overview of television equipment, studio and field practices, nonlinear digital editing and applicable theory for the development of visual messaging. Fundamental to course is laboratory experience in video production. Prerequisite: Sophomore standing.
- 2500. INTERPERSONAL COMMUNICATION.** (3-3-0). Theory and practice of one-to-one communication. Extensive practice in oral communicative techniques relative to effective speaking situations involving two-person and small group environments. Attention paid to techniques applicable to organizational communication formats.
- 2510. WRITING FOR MASS MEDIA.** (3-3-0). An introduction to the theories and skills of news gathering and news writing. Prerequisite: ENGL 1010, 1020 and COMM 1040 with a "C" or higher.
- 2530. VISUAL COMMUNICATION.** (3-3-0). Practical, hands-on experience in the design, layout and production of materials for mass communications. Assignments completed using desktop publishing hardware and software. Prerequisite: Sophomore standing.
- 2610. PHOTOJOURNALISM.** (3-3-0). This photojournalism course focuses on technical and visual elements to produce and edit effective still images and video for print, broadcast, or online presentation.
- 3000. STUDENT MEDIA PRACTICE AND MANAGEMENT.** (3-3-0). This course is the student's opportunity to understand and work with student media. During the semester you will meet, learn from and work with student leaders from The Current Sauce (university newspaper), KNWD (university radio station) and NSU-TV News Service (university multimedia organization). Through guidance/lessons from the instructor, students will learn the organizational structure and methods of creating content for NSU student media outlet and be assigned hands-on-projects, creating content for each of those outlets. At the end of the semester students will have met student media leadership/staff, learned about each outlet's organizational structure and created news stories/content for The Current Sauce, KNWD and NSU-TV News Service. Prerequisite: COMM 2510 or consent of instructor.

- 3030. INVESTIGATIVE REPORTING.** (3-3-0). This course will cover the art of investigative reporting, journalism that seeks to inform a democratic society, shines light on the truth and is firmly rooted in the public's right to know. Student journalists will learn how to craft deeply reported stories aimed at answering the most pressing questions, how to quickly get at the documents and real people that give such stories their investigative edge and how to pull together findings in an ethical and compelling way.
- 3080. EDITING.** (3-3-0). Purposes, methods and techniques of editing for today's media. Emphasis on basic editorial skills, proofreading and copy editing. Prerequisite: COMM 2510 or consent of instructor.
- 3120. GROUP DYNAMICS.** (3-3-0). Principles, purposes, and types of discussional speaking; practice in informal discussion, round-table, panel, symposium, and assembly chairmanship.
- 3260. SOCIAL MEDIA MANAGEMENT.** (3-3-0). Survey of current social media landscape and available tools for navigating today's digital communication world. Students will produce and post content (written, photo, video) on various social media channels while exploring strategies to cohesively present clear, effective messaging across multiple platforms. Prerequisite: COMM 2510-student must pass with a grade of "C" or better.
- 3430. NEWS PRODUCING.** (3-3-0). This course emphasizes writing and scripting techniques for audio and video productions, including traditional and on-line news media. Prerequisite: COMM 2510 or consent of the instructor.
- 3480. PROMOTIONAL VIDEO PRODUCTION.** (3-3-0). An advanced video production course for strategic communication students learning how to produce promotional/branding and marketing videos for social media and conventional platforms. Emphasis is placed on enhancing online video/editing skills and producing skills. Prerequisite: COMM 2440 or consent of instructor.
- 3500. SPORTS BROADCAST PRODUCTION.** (3-3-0). Producing and directing sports programs at field locations for broadcast. Emphasis on all aspects of field production for both outdoors and indoors sports contests to be broadcast on NSU TV, NSU YouTube channel, and stream on nsudemons.com. Students will work nights and weekends to produce NSU Sporting events. Prerequisite: COMM 2440 or consent of instructor. May be repeated with up to 9 undergraduate credit hours applied to the Communication degree.
- 3510. ADVERTISING, MARKETING, AND BRANDING.** (3-3-0). This course develops advertising, marketing and brand management skills that create effective online, app, social media, and traditional media strategies for governmental and other non- and for-profit organizations. Prerequisite: COMM 2360 or consent of the instructor.
- 3520. BEAT REPORTING.** (3-3-0). This course examines reporting and storytelling methods for covering a "beat" in which students anticipate the needs and interests of readers, viewers, listeners. Students will select and develop their beats, selecting from news, sports, entertainment or lifestyle, among others. Students learn how to generate story ideas and do follow-up stories; conduct interviews and develop trusted sources; create content across media platforms, including web, apps, social media and podcasts. Student work will be published on NSU media outlets. Prerequisite: COMM 2510 with a "C" grade or higher.
- 3600. WRITING FOR STRATEGIC COMMUNICATION.** (3-3-0). This skills course focuses on various strategic communication writing formats, including press releases. Emphasis is on communications theory, ethics, and role of the communications professional in a technology-driven media environment. Prerequisite: COMM 2510 and 2360 or consent of instructor.
- 3650. SPORTSCASTING.** (3-3-0). This course examines the theory and practice of play-by-play broadcasting, sideline sports reporting and producing live sports programming with the concentration on creating and presenting content. This course is designed around content creation and talent performance. It centers on what to do in front of the camera and behind the microphone. The course addresses preparation, live reporting, program management and working with a technical production crew on location. Students will be required to attend selected game and sports events chosen for broadcast. Game days and times will vary. Prerequisite: Sophomore status.
- 4040. FEATURE WRITING.** (3-3-0). Study and practice of writing feature articles for the mass media. Prerequisite: COMM 2510 or consent of instructor.
- 4230. DIGITAL MAGAZINE PRODUCTION.** (3-3-0). This course requires students to produce digital content that highlights all forms of multiplatform storytelling including text, video, audio, photography, design, and data visualization. The course emphasizes solid journalistic practice with a focus on long-form magazine writing, but also allows for a marketing component. Prerequisite: Senior level standing and completion of all 2000 and 3000-level courses in concentration.
- 4240. DOCUMENTARY PRODUCTION.** (3-3-0). This is an advanced video course where students produce, direct, film, and edit short and longer-form documentaries individually or as a team. The course goal is for students to create professional documentaries worthy of film festivals. All works have public screenings. Prerequisite: Consent of instructor.
- 4260. ATHLETICS MARKETING AND SPONSORSHIP.** (3-3-0). Survey of modern practices in athletic marketing and sponsorship. Students will navigate corporate contracts; implement and design contract activations; strategize to create appealing, effective, and mutually beneficial implementation proposals for athletics entities and corporate partners; study the budgetary impact of effective sponsorship practices in athletics; and document clear, concise, and effective communication with sponsorship partners to maintain good professional relationships. Prerequisite: COMM 2510 with a grade of "C" or better.
- 4310. GLOBALIZATION AND INTERNATIONAL COMMUNICATION.** (3-3-0). An introduction to recent theories of globalization. This course will examine different "international" communication theories and their ramifications on international and intercultural communication.
- 4420. ADVANCED VIDEO JOURNALISM.** (3-3-0). Shooting, editing, writing and producing unique, accurate, and visually interesting and professional produced journalism video stories for multimedia platforms, such as broadcast or the Web. Prerequisite: COMM 2510, 2440, 3480, or consent of the instructor.
- 4470. MEDIA PRODUCTION AND DIRECTING.** (3-3-0). Students engage in media production and directing activities for NSU TV and other student productions. Prerequisite: COMM 2440 or consent of instructor.
- 4500. ADVANCED SPORTS JOURNALISM.** (3-3-0). Course continues from COMM 3520 and goes deeper into sports journalism and multimedia storytelling with emphasis on enterprise and investigative reporting, including long-form features and writing for screen. Will cover contemporary topics for sports journalists, such as sports gambling, gender and race issues, human performance potential, value of sports franchises and the exponential growth of global sports fan audiences. Prerequisite: COMM 2110, 2510, and 3520.

- 4520. SPECIAL PROBLEMS IN COMMUNICATION.** (3-3-0). Study of special topics or problems in communication. Prerequisite: Consent of instructor. Repeatable for undergraduate credit only to six hours as subject changes.
- 4660. STRATEGIC COMMUNICATION MANAGEMENT.** (3-3-0). Theories and principles relevant to public relations practice in agency, corporate and nonprofit organizations, including development of goals and objectives, client relationships, budgets, and research methods specific to the public relations practice. Prerequisite: COMM 3600 or consent of instructor.
- 4700. COMMUNICATION CAPSTONE.** (3-3-0). This culminating class incorporates the application, knowledge, and skills acquired by communication majors during their program of study. Students demonstrate their oral, written, and critical thinking skills in synthesizing previous course work to complete a capstone project that includes a presentation, resume writing, interview skill application, and senior capstone portfolio. (Senior status or permission of the instructor).
- 4910. COMMUNICATION INTERNSHIP.** (3-1 to 2-1 to 2). Preparation for obtaining entry-level employment in a professional, political, or nonprofit organization, and completion of an internship in an approved professional, political, or nonprofit organization. Prerequisite: Communication majors only; junior/senior standing; overall minimum 2.0 GPA; permission of instructor required. Corequisite: Maximum of 9 hours of concurrent enrollment.

## COMPUTER INFORMATION SYSTEMS (CIS)

For Undergraduates Only

- 1015. INTRODUCTION TO COMPUTER INFORMATION SYSTEMS.** (3-3-0). This course provides students an introductory overview to basic computer concepts in hardware, software, networking, security, programming, database, mobile applications, decision support systems, and other contemporary and emerging technologies. Through the use of widely used applications and development environments, this course further explores their integration, application and impact on business and society. This course further explores the different roles in computer information systems and the applicable tools and techniques required in each to help students identify a particular discipline they may desire to pursue based on their given skillset.
- 1030. INTRODUCTION TO SOFTWARE DEVELOPMENT.** (3-3-0). An introduction to software development using a programming language and integrated development environment. Topics include design, logic, problem-solving, variables, branching, looping, arrays, methods, objects and classes, and other introductory topics. Prerequisite: CIS 1015 or instructor permission.
- 1060. UNDERSTANDING AND USING THE INTERNET.** (3-3-0). Fundamental concepts of accessing and utilizing the Internet. Using Internet tools such as electronic mail, discussion groups, and network browsing for academic purposes. The course will be conducted almost entirely on the Internet. The final exam will require a proctor. This course is not for CIS majors. No previous Internet experience required.
- 1090. INTRODUCTION TO COMPUTER APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOS (Microsoft Office Specialist) Word and Excel Certifications. Attention is given to developing competency in computer related skills for academic applications. These skills include word processing and spreadsheets, and data exchange between other types of applications. There are no prerequisites for this class. This class cannot be taken as an elective for the Accounting and Business Administration degree programs.
- 2000. SPREADSHEET APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOS (Microsoft Office Specialist) Excel Certification. Attention is given to developing skills in spreadsheet applications including data exchange between other types of applications.
- 2040. INTRODUCTRION TO VIDEO GAME DEVELOPMENT.** (3-3-0). An introductory survey course on video game development. Students will learn multidisciplinary topics in a project-based approach to developing video games. Topics may include video game programming, game engine environments, project planning, graphic design, fiction writing and narratives, video game marketing, AR./VR, copyright and patent legal issues, artificial intelligence, human-computer interaction, and others. Prerequisite: CIS 1030 or consent of instructor.
- 2050. ESSENTIALS OF NETWORK DESIGN AND HARDWARE.** (3-3-0). The course covers fundamentals of computer technology, installation and configuration of PCs, laptops and related hardware and networking basics. Skills will be covered in installation and configuration of PC operating systems as well as configuring common features (e.g. Network connectivity) for mobile OS Android & Apple OS. The student must pass the current CompTIA A+ examination or an instructor selected CompTIA certification to pass the course.
- 2080. COMPUTER TECHNOLOGY – SOFTWARE A+ CORE 2.** (3-3-0). This course covers fundamentals of computer technology focusing on software topics: operating systems, security, software troubleshooting, and operational procedures. Students will compare common operating systems and their installation and purpose as well as upgrade methods. Common Microsoft command line and system features, and tools will be discussed as well as Windows networking configuration. Students will use features and tools MacOS and Linux client/desktop operating systems. Students will summarize the importance of physical and logical security measures, wireless security protocols and authentication methods as well as malware removal identification and removal best practices. Documentation, change management, disaster prevention and recovery protocols will be described. Software troubleshooting techniques for Microsoft Windows OS, security, malware removal, and mobile OS and applications will be discussed in different scenarios. The student must take the current Comp TIA A+ CORE 2 certification examination. Complete CompTIA A+ certification requires passing both CORE 1 (CIS 2090) and CORE 2 (CIS 2080).
- 2090. COMPUTER TECHNOLOGY – HARDWARE A+ CORE 1.** (3-3-0). The course covers fundamentals of computer technology focusing on hardware topics: mobile devices, networking, hardware, virtualization, cloud computing and hardware network troubleshooting. Students will identify and troubleshoot laptop components and features as well as other mobile peripherals. Networking protocols, hardware devices, and network configuration and troubleshooting for both wired and wireless will be discussed. Students will be able to identify, install, and troubleshoot issues with PC cables, connectors, power, storage devices and RAID, RAM, motherboards, CPUs, add on cards and other peripherals. Cloud computing concepts and virtualization will be introduced. The student must take the current CompTIA A+ CORE 1 certification examination. Complete CompTIA A+ certification requires passing both CORE 1 (CIS 2090) and CORE 2 (CIS 2080).
- 2100. SOFTWARE DEVELOPMENT.** (3-3-0). Visual and event-driven programming using an Integrated Development Environment to design and implement programs of increasing complexity. Prerequisite: CIS 1030.



- 2210. CLOUD COMPUTING CONCEPTS.** (3-3-0). This course is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support. This course helps you to prepare for the AWS Certified Cloud Practitioner exam. Corequisite: CIS 1015.
- 2980. DATABASE SYSTEMS.** (3-3-0). Study of the design, implementation, and management of database systems in a business environment. Topics include data modeling, normalization, SQL, and the utilization of a relational database management system to develop an integrated database application. Prerequisite: CIS 1015 or consent of instructor.
- 3020. WEB PAGE DEVELOPMENT.** (3-3-0). This course provides a fundamental understanding of the tools, skills, and general design concepts required to develop web pages. Students will develop and implement web pages, modify images and create website navigation systems. Prerequisite: CIS 1030 or consent of instructor.
- 3100. INFORMATION SYSTEMS AND TECHNOLOGY IN BUSINESS.** (3-3-0). This course provides an overview of various business information systems and technologies and how they work together to support business decision-making. Topics to be covered include business IT infrastructure, business intelligence, e-business, design and development of effective business information systems, and ethics and information security issues. This course is not for CIS majors. Prerequisite: BUAD 1800 or CIS 1090 or demonstrated computer literacy.
- 3300. INTERMEDIATE OBJECT-ORIENTED PROGRAMMING.** (3-3-0). An intermediate course in software development using a programming language and integrated development environment. Topics include design, logic, problem-solving, file input, objects and classes, inheritance and polymorphism, interfaces, exception handling, GUI development, and other intermediate topics. Prerequisite: CIS 1030.
- 3400. TELECOMMUNICATIONS AND NETWORKS.** (3-3-0). Develop fundamental networking skills, including an understanding of network hardware, installation, security, and troubleshooting in a corporate environment. Through classroom and hands-on activities, learn how computers exchange information and how the internet functions. The student must take the current CompTIA Network+ certification examination. Prerequisites: CIS 2080 and CIS 2090 or consent of the instructor.
- 3410. CERTIFIED ETHICAL HACKING.** (3-3-0). In order to protect a network against a hacker, one must learn to think like one. Through penetration testing, vulnerabilities in a system can be discovered and corrected. This course will explore ways a hacker can gain access to computer resources. It will investigate weaknesses in operating systems, databases, coding, and networks. When possible, we will actively perform various attacks on pre-staged systems. This course will focus on the ethics involved in performing a penetration test. Finally, we will explore methods to prevent or mitigate vulnerabilities. Prerequisites: CIS 2080 and CIS 2090.
- 3700. INTRODUCTION TO SERVERS.** (3-3-0). This course helps a student develop a fundamental understanding of the hardware and software skills needed to setup and maintain basic and enterprise-level servers. Through discussion and hands-on activities, students gain the skills required to build basic servers. The student must take the current CompTIA Server+ certification examination. Prerequisites: CIS 2080 and CIS 2090.
- 3800. ENTERPRISE OPERATING SYSTEMS.** (3-3-0). A study of server-level operating systems. This course will cover a broad category of server operating systems procedures and terminologies. Course will focus on current server operating systems. Topics will include DHCP services, remote access, user account maintenance, backups, Active Directory, LDAP, shell commands, basic OS maintenance, and other topics related to operating systems. The student must take the current CompTIA Linux+ certification examination. Prerequisite: CIS 3700.
- 3900. SYSTEMS ANALYSIS AND DEVELOPMENT.** (3-3-0). Both a problem-oriented and "hands on"-oriented study of the planning, analysis, design and implementation of business software systems. An object-oriented analysis and design approach will be followed. Computer-Aided Systems Engineering (CASE) tools will be utilized that support the various paradigms and the automated tools that support the Unified Modeling Language (UML) will be explored. Emphasis will be on data modeling from a structured perspective and on object modeling from a UML perspective. Prerequisite: CIS 3300 or CIS 3400 or CIS 4070 or CIS 4910 or consent of instructor.
- 3970. SECURE PROGRAMMING PRINCIPLES.** (3-3-0). Principles and practices of secure programming: writing safe programs by identifying and avoiding common pitfalls, bugs, and vulnerabilities, using security principles, practices, strategies, coding techniques, and tools. Programming topics will include object-oriented programming, and multi-threaded environments, database connectivity, and network programming techniques, among other advanced topics. Prerequisite: CIS 3300 or CSC 2060
- 3980. INTRODUCTION TO INFORMATION SECURITY.** (3-3-0). This course provides an overview of Information Security. It is designed to provide students with practical knowledge about important issues in Information Security from both the technical and administrative viewpoint, with an emphasis on the managerial implications. The course examines the significance of security in today's information systems; the potential threats to the information security; the various technical tools people use to enhance information security; and the managerial and legal implications of information security. The student must take the current CompTIA Security+ certification examination. Prerequisite: CIS 3400 or consent of instructor.
- 4000. ADVANCED DATABASE SYSTEMS.** (3-3-0). Advanced topics and techniques of database system technology. Students will design and implement software components integral to database systems using a modern database management system (DBMS). Prerequisite: CIS 2980.
- 4020. DATA STRUCTURES.** (3-3-0). Advanced programming techniques and problem-solving in object-oriented programming. Topics include implementing algorithms, recursion, searching, sorting, and data structures such as linear lists, stacks, queues, trees, tables, graphs, and others. Prerequisite: CIS 3300.
- 4030. WEB APPLICATIONS: CLIENT-SIDE DEVELOPMENT.** (3-3-0). This course introduces the student to design and development issues associated with client side functionality in web based systems. Students will develop and implement web pages incorporating techniques that address web page structure and content, user interaction, and web site navigation. These pages will incorporate client side functionality using DHTML, JavaScript programming with client-side objects, and Cascading Style Sheets. Prerequisites: CIS 3020 and CIS 3300.

- 4040. CYBER FORENSICS.** (3-3-0). This course provides an examination and analysis of advanced critical issues of computer crime. Emphasis will be placed on such advanced computer forensic science capabilities as target hardware and software, tools for data duplication, recovery, and analysis, and development of pre-search or on-scene computer investigative techniques. Prerequisite: CIS 2080 and CIS 2090 or consent of instructor.
- 4060. MOBILE APPLICATIONS DEVELOPMENT.** (3-3-0). This course provides an in-depth study of mobile application development techniques to include but not limited to planning, design, development, and deployment of a working application. Students will work with industry leading mobile platforms. Prerequisite: CIS 3300.
- 4070. DATA ANALYTICS.** (3-3-0). An introduction to data analytics, including concepts of data, statistical and quantitative analysis, predictive models, data mining, and fact-based management to drive decisions and actions. Prerequisite: BUAD 2120 or equivalent statistics course.
- 4080. CLOUD COMPUTING.** (3-3-0). This course provides a hands-on introductory study of Cloud concepts and capabilities across the various Cloud service models including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). This course will familiarize students with the use of applications and processes available on the Cloud on a metered on-demand basis in multi-tenant environments, as well as the Cloud security model and associated challenges. Through hands-on assignments and projects, students will learn how to configure and program the various services and understand how to develop and integrate Cloud-based software applications and services built on Cloud platforms. The student must take the current CompTIA Cloud+ certification examination. Prerequisite: Junior Standing
- 4100. WEB APPLICATIONS: SERVER-SIDE DEVELOPMENT.** (3-3-0). The course introduces the student to the issues and practices associated with the implementation and operation of multi-tier web-aware organizational applications and databases. Students will build an interactive, dynamic, data-driven web site utilizing the PHP server-side scripting language that will interface with a MySQL database for dynamic content. Security issues will be addressed through an understanding of issues and tools involving server-side design methodologies such as session handling and validation. Students will perform laboratory-based activities to demonstrate programming proficiency. Prerequisite: CIS 2980, CIS 3020, and CIS 3300.
- 4220. NETWORK IMPLEMENTATION AND ADMINISTRATION.** (3-3-0). A study of network implementation and administration in an enterprise. This course will cover topics on the Cisco Certified Network Associate (CCNA) exam to include routing protocols, switching protocols, firewalls, VLANs, infrastructure maintenance, security, and enterprise architecture design. The student will be given the CCNA exam at the end of this course. Prerequisite: CIS 3400.
- 4230. ADVANCED NETWORK IMPLEMENTATION AND ADMINISTRATION.** (3-3-0). A study of network implementation and administration in an enterprise. This course will cover the last two Cisco Networking Academy Routing and Switching courses. Topics will include an in-depth focus on the first three layers of the OSI, network fundamentals, LAN switching environments, routing fundamentals, infrastructure services, and infrastructure maintenance. The student must pass the current Cisco CCNA exam (ICND2) to pass the class. Prerequisite: CIS 3400 and CIS 4220, or CCENT (ICND1) certification.
- 4300. COLLABORATIVE FIELD PROJECT.** (3-3-0). Practical field experience in information systems development. Project must be approved by CIS faculty prior to registration. Students are encouraged to obtain an internship with a company performing some systems analysis, database and programming experience. In the event that a formal internship is unfeasible students will participate in a collaborative real world or simulated corporate project. The real world project may be replicated by multiple teams toward a best single solution. Project must be approved by CIS Coordinator prior to registration. Prerequisite: Approval of CIS Coordinator and GPA of 2.5 in major.
- 4600. ADVANCED SYSTEMS DEVELOPMENT.** (3-3-0). A capstone, project-oriented study of the planning, analysis, design and implementation of a business system using model-based software tools and other development platforms. Much attention is given to communication and teaming skills. Student teams will be given a user-request for development. Deliverables include: 1) user interviews, 2) project plan, 3) feasibility study and cost-benefit analysis, 4) business model, 5) interface design, 6) database design, 7) program design and 8) program functionality of a subsystem. A final project presentation by each student team will be required. Prerequisites: CIS 3900.
- 4700. TOPICS IN INFORMATION TECHNOLOGY HARDWARE AND SOFTWARE.** (3-3-0). An in-depth study of current technology as it relates to either hardware or software. Topics may include, but are not limited to: Multimedia technology, PC hardware configurations, operating systems, assembly and machine languages, data structures, wireless technology, vendor certification in networks, operating systems, databases or development tools. May be repeated for credit when topics vary. Prerequisites: Consent of instructor.
- 4840. STRATEGIC INFORMATION SYSTEMS PROJECT MANAGEMENT.** (3-3-0). Project Management for Information Systems provides students with the theory and practice of project management applied to information systems. The course will cover an integrated view of the tools, techniques, and skills that are needed to successfully manage information system projects. Information has become an integral part of the success of any organization. Now, more than ever, managers need a clear understanding of how to integrate information systems in the organization. This course will allow students to successfully combine the information systems knowledge with the organization's project management to create value for any company. Students will not only utilize their technical skills, but they will also improve the soft skills needed to manage teams and achieve a valuable communication with all stakeholders. Students will cover the material and education hours needed to sit for the Certified Associate in Project Management (CAPM) exam.
- 4850. APPLIED PROJECT MANAGEMENT.** (3-3-0). Strategic applications in project management topics with a technology focus. Students will actively develop project management solutions that balance stakeholder requests for quality, scope, time, cost, and personnel, bringing the most value to the business. In this class, students will prepare for completing the certification COMPTIA Project+. In addition, students will increase their skills in project management comprising the PMI process groups including initiating planning, executing, monitoring and controlling, and closing.

- 4900. STRATEGIC APPLICATION OF ENTERPRISE SOFTWARE.** (3-3-0). This course will cover the development of software applications that support information systems and have a strong focus on business and industry needs. Topics to be covered include software design, implementation, and testing; software quality; software development principles and life-cycle models; maintenance; and programming language suitability for information systems applications. Prerequisite: CIS 1030.
- 4910. EMERGING TECHNOLOGIES AND HUMAN COMPUTER INTERACTION DESIGN.** (3-3-0). The purpose of this course is to enable students to develop human-centric design skills. Students will develop the knowledge, skills, and tools they need to design usable software systems. Students will also learn the principles of visual design, which they will use to effectively organize and present information during the design and prototyping of an original user interface. The secondary aim of this course is to examine disruptive technological innovations that have recently emerged. Students will learn how to investigate new technologies and determine how to navigate the use or adoption of such technologies in a rapidly evolving business environment. Students will also consider ethical issues related to technology adoption and use. Prerequisite: CIS 3020.
- 4930. INFORMATION ASSURANCE.** (3-3-0). This course examines basic enterprise information systems assurance principles and examines operational, technical, and administrative aspects of information assurance. Prerequisite: CIS 1015.

For Graduates Only

- 5100. ADVANCED CYBER SECURITY.** (3-3-0). The purpose of this course is to introduce students to advanced topics in cybersecurity and privacy management. In addition, this course will begin to help the student prep for the CISSP certification exam. Students will explore concepts of the red and blue teams, CIA triad, and business challenges faced by cybersecurity teams.
- 5200. STRATEGIC DATA MANAGEMENT AND ANALYSIS.** (3-3-0). An advanced course on data analysis to develop and support business intelligence. Students will learn advanced topics in relational databases, data warehousing, data visualization, and predictive quantitative analysis including clustering, classification, association analysis, and social network analysis, among other topics in data analysis. Prerequisites: CIS 2980 or equivalent and BUAD 2120 or equivalent, or consent of the instructor.
- 5300. ADVANCED DATA COMMUNICATION SYSTEMS.** (3-3-0). The purpose of this course is to enable students to explore advanced topics in networking. Students will discuss topics such as TCP/ IP, Ethernet, wireless, packet-switching architecture, quality-of-service, and rate and congestion control. Students will research error control methods, flow control mechanisms, and general network security.
- 5400. ALGORITHM ANALYSIS AND DESIGN.** (3-3-0). An advanced course in object-oriented programming with an emphasis on algorithm design and analysis. Students will learn to design, implement, and analyze algorithms to increase problem-solving skills in business, math, and science. Topics include practical algorithms, greedy and approximation algorithms, algorithm analysis techniques, and concepts in computational complexity theory. Prerequisites: CIS 4020 or equivalent, or consent of the instructor.

- 5450. STRATEGIC INFORMATION SYSTEMS PROJECT MANAGEMENT.** (3-3-0). Project Management for Information Systems provides students with the theory and practice of project management applied to information systems. The course will cover an integrated view of tools, techniques, and skills that are needed to successfully manage information systems projects. Information has become an integral part of the success of any organization. Now, more than ever, managers need a clear understanding of how to integrate information systems in the organization. This course will allow students to successfully combine the information systems knowledge with the organization's project management to create value for any company. Students will not only utilize their technical skills but they will also improve the soft skills needed to manage teams and achieve a valuable communication with all stakeholders. Students will cover the material and education hours needed to sit for the Certified Associate in Project Management (CAPM) exam.

- 5550. APPLIED PROJECT MANAGEMENT.** (3-3-0). Strategic applications in project management topics with a technology focus. Students will actively develop project management solutions that balance stakeholder requests for quality, scope, time, cost, and personnel, bringing the most value to the business. In this class, students will prepare for completing the COMPTIA Project+ Certification. In addition, students will increase their skills in project management comprising the PMI 5 process groups including initiating, planning, executing, monitoring and controlling, and closing.

- 5600. STRATEGIC APPLICATION OF ENTERPRISE SOFTWARE.** (3-3-0). This course will cover the development of software applications that support information systems and have a strong focus on business and industry needs. Topics to be covered include software design, implementation, and testing; software quality; software development principles and life-cycle models; maintenance; and programming language suitability for information systems applications.

- 5700. TOPICS IN INFORMATION TECHNOLOGY HARDWARE AND SOFTWARE.** (3-3-0). An in-depth study of current technology as it relates to either hardware or software. Topics may include, but are not limited to: Multimedia technology, PC hardware configurations, operation systems, assembly and machine languages, data structures, wireless technology, vendor certification in networks, operating systems, databases or development tools. May be repeated for credit when topics vary. Prerequisite: Consent of instructor.

- 5810. EMERGING TECHNOLOGIES AND HUMAN COMPUTER INTERACTION DESIGN.** (3-3-0). The purpose of this course is to enable students to develop human-centric design skills. Students will develop the knowledge, skills, and tools they need to design usable software systems. Students will also learn the principles of visual design, which they will use to effectively organize and present information during the design and prototyping of an original user interface. The secondary aim of this course is to examine disruptive technological innovations that have recently emerged. Students will learn how to investigate new technologies and determine how to navigate the use or adoption of such technologies in a rapidly evolving business environment. Students will also consider ethical issues related to technology adoption and use.

- 5820. ADVANCED MOBILE DEVELOPMENT.** (3-3-0). This course will cover the design and development of mobile applications that support information systems and have a strong focus on business and industry needs. The course will cover multiple operating systems. Topics to be covered include data modeling, inter-object communication, flow, storage, security, cloud integration, wireless networking for mobile apps, multiple views, and user-interaction.
- 5830. INFORMATION ASSURANCE.** (3-3-0). This course examines basic enterprise information systems assurance principles and examines operational, technical, and administrative aspects of information assurance.
- 5840. DECISION SUPPORT SYSTEMS.** (3-3-0). An introduction to decision support systems supported by data analytics, including concepts of data, statistical and quantitative analysis, predictive models, data mining, and current trends.
- 5900. RESEARCH METHODS IN COMPUTER INFORMATION SYSTEMS.** (3-3-0). The purpose of this course is to introduce students to quantitative and qualitative methods for conducting research in the field of Computer Information Systems. The course will provide an overview of the assumptions, theories and processes of qualitative and quantitative research methods, including research intent and design, methodology and technique, data collection, data management and analysis, and report formatting and presentation. The course focuses on the preparation of a project proposal and laying the groundwork for students to conduct their proposed research or project in CIS 5940/CIS 5950.
- 5940. RESEARCH PROJECT AND/OR THESIS PROPOSAL.** (3-3-0). First half of thesis/project preparation. This course includes developing the research project or thesis, as outlined in CIS 5900. The research project or thesis must meet all requirements of the Graduate School. The student in the thesis option is required to propose, create, and write an individual thesis topic of appropriate focus, size, and complexity. Upon completion, the student will defend the thesis in an open forum, which must be unanimously approved by the major professor and the supervisory committee. The student in the project option is required to propose, create and write an individual project of appropriate focus, size, and complexity. Upon completion, both the project and the document must be defended to the department in an open forum and must have unanimous approval from the major professor and supervisory committee. In this course, the student will complete a thesis or project proposal (Chapters 1 to 3) and IRB approval. Prerequisite: CIS 5900, successful completion of two-thirds of degree program and approval of major professor.
- 5950. RESEARCH PROJECT AND/OR THESIS DEFENSE.** (3-3-0). Second half of thesis/project preparation. This course includes developing the research project or thesis, as proposed and approved in CIS 5940. The research project or thesis must meet all requirements of the Graduate School. The student in the thesis option is required to propose, create, and write an individual thesis topic of appropriate focus, size, and complexity. Upon completion, the student will defend the thesis in an open forum, which must be unanimously approved by the major professor and the supervisory committee. The student in the project option is required to propose, create, and write an individual project of appropriate focus, size, and complexity. Upon completion, both the project and the document must be defended to the department in an open forum and must have unanimous approval from the major professor and supervisory committee. Prerequisite: CIS 5940.

## COMPUTER SCIENCE (CSC)

For Undergraduates Only

- 1060. PROGRAM DESIGN I.** (3-3-0). Fundamental concepts of structured programming. Emphasis is on correct program design, algorithm analysis, and problem solving methods. Prerequisite: Mathematics 1020, or Mathematics 1100, or Mathematics 1810, or Mathematics 2100.
- 1061. PROGRAM DESIGN I LABORATORY.** (1-0-3). To supplement CSC 1060. Prerequisite: Registration in or credit for CSC 1060.
- 2020. INTRODUCTION TO SYSTEMS PROGRAMMING.** (1-1-0). An introduction to programming using C/C++ in a Linux environment. Most servers run Unix/Linux-based operating systems, therefore knowing how to navigate these systems will be essential in programming. Topics include OS commands and shell basics, makefiles, scripting, system calls, debugging, profiling, concurrency, and virtualization. Prerequisite: CSC 2060 or permit of instructor.
- 2100. DATA STRUCTURES.** (3-3-0). Advanced programming techniques and problem-solving in object-oriented programming. Topics include implementing algorithms, recursion, searching, sorting, and data structures such as linear lists, stacks, queues, trees, tables, graphs, and others. Prerequisite: CSC 2060 or permit of instructor.
- 2030. INTRODUCTION TO SCRIPTING WITH PERL.** (3-3-0). Fundamentals of Perl scripting. Topics include basic data structures, regular expressions, references, packages, modules, object-oriented aspects of Perl, and CGI programming with Perl. Prerequisite: CSC 1060.
- 2060. PROGRAM DESIGN II.** (3-3-0). A continuation of programming for structured and object-oriented programming that cover advanced programming topics. Topics include structs, pointers, classes, file I/O, templates, inheritance and polymorphism. Prerequisite: CSC 1060 or permit of instructor.
- 3030. COMPUTER THEORY.** (3-3-0). An overview of theoretical models of computing. Topics include automata theory, formal languages, complexity, Turing machines, and decidability. Prerequisite: CSC 2100 or permit of instructor.
- 3040. 3D PRINT DESIGN I.** (3-3-0). Introduction to 3D printing and design using OpenSCAD. Topics include programming custom designs using OpenSCAD and the steps necessary to successfully create a 3D printed object from the design. Prerequisite: MATH 1090 or MATH 1100 or MATH 1810.
- 3050. PROGRAMMING LANGUAGES.** (3-3-0). Syntactic and semantic concepts of programming languages, BNF grammars, syntax, diagrams, scope, binding time, parameter passing mechanisms, data types, control constructs. Survey and comparison of various languages. Prerequisite: CSC 2060.
- 3060. DATABASE THEORY AND DESIGN.** (3-3-0). Advanced treatment of database and information system models (hierarchical, network and relational), design of DBMS or IS system, normal forms, introduction to expert systems and advanced data models, structured query language (SQL), and Perl Database Interface (DBI). Prerequisite: CSC 2030.
- 3120. COMPUTER GRAPHICS.** (3-3-0). An introductory course in computer graphics covering two and three-dimensional computer graphics and their mathematics. Topics include transformations, interpolation, projections, lighting and culling. Exposure to graphics libraries, graphics engines and their implementations. Prerequisite: CSC 2100 and MATH 3090.
- 4001. PROGRAMMING PREPARATION LABORATORY.** (1-0-3). A course to prepare students for individual and team programming competitions. This class is repeatable up to 3 times. Students that successfully complete the class 3 times received a 3-hour CSC elective credit. Prerequisite: CSC 2060 or permit of instructor.

- 4010. ARTIFICIAL INTELLIGENCE.** (3-3-0). An introductory course in artificial intelligence (AI). This course will explore theoretical models underpinning AI and the methodologies for training and testing AI systems. Topics will include machine learning, perceptrons, neural networks, genetic algorithms and reinforcement learning. Prerequisite: MATH 3090 and MATH 3030 or permit of instructor.
- 4040. ADVANCED SIMULATION.** (3-3-0). This course extends mathematical simulations to include parallelism and visual representations. It covers the application of physical processes to scientific simulations using parallelism, high performance computing, and graphics. Topics include how to create physical simulations with parallelism, high performance computing, visual representation and validation with lab results. Prerequisite: Math 3030, CIS 4060, CIS 3970 or permit of instructor.
- 4900. DIRECTED RESEARCH.** (3-3-0). Individual or group research in an area related to computer science and mathematics not included in the normal scope of regularly scheduled courses. A final project demonstrating proficiency in the researched area is required for a passing grade. Prerequisite: Permit of instructor.

## COOPERATIVE OCCUPATIONS EXPERIENCE (COOP)

For Undergraduates Only

- 1010. COOPERATIVE OCCUPATIONAL EXPERIENCE I.** (2-0-0). Supervised work experience in related occupational areas. May be repeated three times. Prerequisite: Admission to the cooperative program.
- 3010. COOPERATIVE OCCUPATIONAL EXPERIENCE II.** (1-0-0). Supervised work experience program for students who leave the campus for one semester to work full-time in a major related field. May be repeated three times. Prerequisite: Admittance to the cooperative program. Grading: Pass/Fail.

## COUNSELING (COUN)

For Graduates Only

- 5000. DYNAMICS OF THE COUNSELING PROCESS.** (3-2-2). Introduction to the field of counseling including philosophical and psychological bases for counseling practice; instruction in basic counseling skills and techniques. Attendance at laboratory sessions required.
- 5510. CAREER AND LIFESTYLE PLANNING.** (3-2-2). Pertinent philosophy and theories of career development, sources of career information and technology designed to assist individuals and groups in lifelong career and lifestyle planning.
- 5530. THEORIES OF COUNSELING.** (3-3-0). Philosophy, theory, and methods of counseling, techniques used by the counselor in realizing the objectives sought in the counseling interview. Prerequisite or corequisite: 5000; 5540 or Student Affairs in Higher Education 5500 or consent of instructor.
- 5540. ORGANIZATIONAL BEHAVIOR AND LEADERSHIP IN SCHOOL COUNSELING.** (3-3-0). Relationship of counseling and collaboration with other areas of education-academic units within schools, family units, and the community; study of the organizational behavior of schools; study of the counselor as an educational leader in organizing, coordinating, and interpreting all phases of the counseling program.

- 5550. SUPERVISED EXPERIENCE/PRACTICUM.** (3-3-5). Supervised training opportunity to practice and demonstrate competency in the practical application and integration of principles and methods which have been studied in the training program. Required for students completing the Clinical Mental Health Concentration in Counseling. Prerequisite: A grade of "B" or better in COUN 5000 and COUN 5530, full admission to the Counseling Program, and permission of program faculty.
- 5560. COUNSELING INTERNSHIP.** (3-1-20). Improvement of competencies in counseling through extensive experience in guidance and counseling under supervision. Experience entails a minimum of 300 hours of service (including 120 hours of direct contact with the target clientele) per three credit hour course. This course may be taken for 3 or 6 hours in a semester. Prerequisite: Program faculty permission and a grade of B or better in either COUN 5550 or 5570.
- 5570. SUPERVISED EXPERIENCE IN SCHOOL COUNSELING.** (3-3-5). Opportunity to practice and demonstrate competency in the practical application and integration of principles and methods studied in the training program in a school setting. Prerequisite or corequisite: A grade of "B" or better must be earned in Counseling 5000, 5530, 5540, and 5580; students must successfully complete the application process for practicum the semester prior to enrolling in Counseling 5570.
- 5580. GROUP PROCESS FOR COUNSELORS.** (3-3-0). Principles and techniques of group procedures; analysis of interactions and roles played within groups; function of group counseling. Prerequisite: COUN 5000, 5530 or consent of instructor.
- 5590. SPECIAL PROBLEMS IN COUNSELING.** (1 to 3-1 to 3-0). Seminar requiring individual investigation of problems in guidance, culminating in a research report. Prerequisite: Education 5010; 5540 or Student Affairs in Higher Education 5500, and six additional hours of credit in counseling courses.
- 5600. SEMINAR IN ELEMENTARY SCHOOL COUNSELING.** (3-3-0). Principles and techniques of counseling applicable to elementary school. Prerequisite: 5540 or consent of instructor.
- 5610. MULTICULTURAL AND DIVERSE POPULATIONS.** (3-3-0). Didactic and experiential study of selected ethnic and diverse populations. Culturally relevant models of theory and practice will be explored to develop attitudes, knowledge, and skills necessary to counsel with diverse populations. Prerequisite: COUN 5000 or consent of instructor.
- 5650. PROCEDURES IN FAMILY COUNSELING.** (3-3-0). Theory and process in family counseling; problem solving techniques applied to parent-child conflict. Prerequisite: 5530.
- 5800. ALCOHOL AND DRUG ABUSE COUNSELING.** (3-3-0). Didactic and experiential study of the 12 core functions utilized in Alcohol and Drug Abuse Counseling. Covers basic steps in assessing, developing, and implementing a program of recovery.
- 5810. CAREER DEVELOPMENT IN CHILDHOOD.** (3-3-0). Psychology of career development in childhood; preparation of counselors in orienting children to the world of work. Prerequisite: 5540.
- 5820. CRISIS, TRAUMA, GRIEF AND LOSS COUNSELING.** (3-3-0). This course will encompass the influence of crises, loss, disasters, and events in individuals' lives that cause stress-induced trauma. Suicide assessment, intervention and prevention strategies will be addressed as well as the theory and practical application of crisis intervention techniques.

## CRIMINAL JUSTICE (CJ)

For Undergraduates Only

- 5830. INTRODUCTION TO CLINICAL MENTAL HEALTH COUNSELING.** (3-3-0). This course provides an overview of the theory and practice of counseling in human services agencies and other community settings. Emphasis is given to the role, function, and professional identity of community counselors, and to principles and practices of community outreach, intervention, education, consultation, and client advocacy.
- 5840. ADVANCED DIAGNOSIS AND PSYCHOPHARMACOLOGY.** (3-3-0). This course will prepare counselors to provide services in conjunction with a psychopharmacological prescriber. Content will include the merger of psychotherapy and pharmacotherapy, history, efficacy and present standard of care. Ethical and legal issues for the non-medical counselor relating to pharmacotherapy will be covered. Numerous case examples demonstrating appropriate psychopharmacologic management and strategies for developing a collaborative relationship with the prescriber will be presented. Prerequisites: COUN 6520, COUN 5550 or COUN 5570.
- 5850. ADVANCED TECHNIQUES IN COUNSELING.** (3-3-0). The study of specialized strategies, interventions and techniques involved in therapeutic work with individuals and family systems. The experiential approach to the development of counseling skills and the conceptualization of clients concerns. Prerequisite: Grade of B or better in COUN 5000.
- 5870. COUNSELING THE GIFTED.** (3-3-0). Designed to provide school personnel and parents with techniques for enhancing interpersonal relationships with gifted students. Emphasis on counseling/communication skills and specific strategies for facilitating emotional wellness and coping ability in these students. Prerequisite: Special Education 5840 or consent of instructor. (Same as Special Education 5870).
- 5980. THESIS.** (1 to 6-0-1 to 6).
- 5990. FIELD STUDY IN COUNSELING.** (6-6-0). Student will originate, develop, field-test and evaluate a project designed to investigate an educational problem in the public schools. Project must have the approval of the student's advisory committee.
- 6500. ISSUES AND ETHICS IN COUNSELING.** (3-3-0). Ethics, legal issues, values, and professionalism related to counseling, including understanding and use of Codes of Ethics, critical examination and learning of models of ethical decision-making, and developing ethical conduct. Prerequisites: 5000, 5530, Educational Psychology 5520.
- 6510. FIELD EXPERIENCES IN OCCUPATIONAL DEVELOPMENT.** (3-3-0). Vocational theories, structures, and trends in this geographical area. Participants visit work sites and write occupational critiques of these visits. Opportunity to plan, develop, present and evaluate under supervision an in-depth project related to career development in a variety of settings. Prerequisite: 5510.
- 6520. DIFFERENTIAL DIAGNOSIS AND TREATMENT IN COUNSELING.** (3-3-0). Differential diagnostic procedures and treatment strategies of abnormal behavior for use by counselors. Prerequisites: 5550 or 5570.
- 6530. COUNSELING SEMINAR.** (3-3-0). Research, issues, and areas in counseling. Synthesizing of a personal theory of counseling. Prerequisite: 5550 or consent of instructor. Subtitles:  
01: General Topics/Trends and Issues  
02: Advanced Group Leadership  
03: Counseling Supervision

- 1100. INTRODUCTION TO CRIMINAL JUSTICE.** (3-3-0). Agencies and processes in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Roles and problems of law enforcement in a democratic society; inter-component relations and checks and balances.
- 2110. INTRODUCTION TO CRIMINOLOGY.** (3-3-0). This course provides a comprehensive introduction to the study of crime, criminal behavior, and society's responses to crime. Students will examine how crime is defined and measured, explore major criminological theories, analyze patterns of offending and victimization, and study key crime categories such as violent, property, white-collar, and cybercrime. Emphasis is placed on linking theory to real-world behavior, understanding crime data, and critically evaluating popular assumptions about crime. Prerequisite: CJ 1100.
- 2300. POLICE PROCESS.** (3-3-0). Social and historical settings of the police; police role and career; police discretion; police values and culture; organization and control. Prerequisite: 1100.
- 2400. ADJUDICATION PROCESS.** (3-3-0). This course is designed to provide criminal justice students an understanding of the structure, purpose, and management of the state and federal criminal court system in order to be adequately prepared to obtain employment in the criminal justice field. Those completing this course will have a better understanding of the basic elements of substantive criminal and procedural law and their relationship to constitutional guarantees. Prerequisite: CJ 1100.
- 2500. CORRECTIONS PROCESS.** (3-3-0). Post-conviction correction process; development of a correctional philosophy, theory and practices; description of institutional operation, programming, and management; community base correction; probation and parole. Prerequisite: 1100.
- 2600. INTRODUCTION TO CRIMINALISTICS AND FORENSIC SCIENCE.** (3-3-0). The application of science to law in a criminal justice setting. Students will explore the role that physics, chemistry, biology, pathology, anatomy, psychology, and other major branches of science play in courtroom settings. Emphasis will be placed on the historical evolution of forensic science, terminology, and how scientific methods are used to solve crimes. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Sophomore status and a declared major in criminal justice; or permission of the instructor.
- 2800. JUVENILE JUSTICE PROCESS.** (3-3-0). This course examines the juvenile justice process from first contact to disposition and aftercare. Students will explore how juveniles enter the system—through law violations, status offenses, or referrals—and then follow the step-by-step procedures that shape outcomes: intake, detention, diversion, petitioning, adjudication, disposition, and correctional options. Emphasis is placed on legal foundations, decision-making factors, due process protections, system disparities, and the unique developmental and legal status of youth. Prerequisite: CJ 1100.
- 3040. CRIMINOLOGY, FOUNDATIONS, AND PUNISHMENTS.** (3-3-0). A scientific approach to the study of criminal behavior: the etiology (origin), extent, and nature of crime in society, foundations and punishment. Prerequisite: 2300, 2400, 2500, or consent of instructor.

- 3070. AMERICAN INDIANS AND THE LAW.** (3-3-0). Survey of federal Indian law and American Indian nations' legal systems from legal, anthropological, and indigenous studies perspectives. Requires junior status or instructor permission.
- 3090. JUVENILE DELINQUENCY AND JUSTICE.** (3-3-0). The study of diverse views and perspectives that characterize the study of juvenile delinquency and justice and reflect its interdisciplinary nature: research, theory, law, policy, and practice. Prerequisite: SOC 1010, CJ 2300, CJ 2400, CJ 2500 or consent of advisor.
- 3350. ANALYSIS OF POLICE OPERATIONS.** (3-3-0). Police organizations and management; allocation of police resources; information systems; community-relations concerns; determinants of police policy. Prerequisite: 2300.
- 3355. CULTURAL COMPETENCE AND CRIMINAL JUSTICE.** (3-3-0). An exploration of cultural, sociological, and psychological dynamics in the development of conscious and unconscious stereotypes and prejudices held by those serving in the criminal justice system (legislation, police, courts and corrections) and the public. How these impact policy, decisions and actions during criminal justice related interactions between those in the profession and the public, with the objective of mitigating the negative consequences of stereotypes and prejudices commonly held by both those serving in the criminal justice profession and those they serve. Prerequisite: SOC 1010, CJ 2300, CJ 2400, CJ 2500 or consent of advisor.
- 3360. CRIMINAL INVESTIGATION.** (3-3-0). Fundamentals of investigation; crime-scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interview and interrogation; follow-up and case preparation. Prerequisite: CJ 2300, CJ 2400, CJ 2500, CJ 2600, or consent of advisor.
- 3380. CRIMINAL JUSTICE ETHICS.** (3-3-0). A comprehensive examination of theoretical and applied ethics and moral philosophy in criminal justice. It begins with a classical introduction from antiquity and continues to present day. The practical focus of ethical decision making topics will center on law enforcement ethics, correctional ethics, and probation/parole ethics and will include scenarios. Prerequisite: CJ 3040 or permission of instructor.
- 3400. CYBER CRIME.** (3-3-0). This course will provide the student with an introduction to computer crime through an examination of the crime and those individuals committing it, as well as the specific laws, investigative techniques, and criminological theories applicable to computer crime. Upon completion, students should be able to understand digital laws and legislation, role and responses of law enforcement, digital forensics and investigation, and information security and protection.
- 3900. SURVEY OF CRIMINAL JUSTICE RESEARCH.** (3-3-0). An overview of how to critically assess previously published work in order to begin research into topics vital to the fields of criminal justice, criminology, and homeland security. Prerequisite: SOC 1010, CJ 2300, CJ 2400, CJ 2500 or consent of advisor.
- 4000. PRACTICUM IN CRIMINAL JUSTICE.** (6-0-18). This course will give selected criminal justice students an opportunity to observe firsthand, the criminal justice system. The student will spend at least 18 hours each week in the field at an assigned criminal justice agency. Practicum students are expected to submit a research paper about their activities, to their instructor, prior to the end of the semester in which the course is taken. Prerequisite: Criminal justice major, senior standing, 3.0 GPA in major, and approval by criminal justice advisor.
- 4110. SPECIAL PROBLEMS.** (1 to 3-3-0). Directed individual study of a problem related to the field of criminal justice. Prerequisite: 1100 and junior or senior standing; scheduled by arrangement with instructor only.
- 4200. RESEARCH METHODS IN CRIMINAL JUSTICE.** (3-3-0). An overview of quantitative and qualitative methods and techniques applicable to research in the fields of criminal justice, criminology, and homeland security. First semester of the capstone experience in Criminal Justice. Prerequisite: 6 hours of math or consent of instructor.
- 4250. COMMUNITY BASED CORRECTIONS.** (3-3-0). History, philosophy, and theory of pre-institutional, and after-care programs for probationers and parolees; the reintegration of the offender back into the community through community based corrections including diversion, pretrial release, deferred sentencing, half-way houses, and work release. Prerequisite: 2500 or consent of instructor.
- 4450. CRIMINAL LAW.** (3-3-0). The legal definition of crime and defenses; purposes and functions of the substantive criminal law; historical foundations; limits of criminal law; case study approach. Prerequisite: 2400.
- 4460. CRIMINAL EVIDENCE AND PROCEDURE.** (3-3-0). Constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; origin, development, philosophy, constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies; case study approach. Prerequisite: 2400.
- 4470. ADVANCED CRIMINALISTICS AND FORENSIC SCIENCES.** (3-3-0). The practical application of science to law in a criminal justice setting. Students will fully examine the role that physics, chemistry, biology, pathology, anatomy, psychology, and other branches of science play in courtroom settings. Emphasis will be placed on the practical application of scientific methods in relation to crime solving. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Junior status, a declared major in criminal justice, and successful completion of CJ 2600 and CJ 3360.
- 4475. HOMELAND SECURITY.** (3-3-0). September 11, 2001 caused the national defense system to undergo tremendous change affecting every component of our criminal justice system. This course will provide students with the history, mission, and evolution of the national homeland security enterprise, including federal, state, local, and private sector efforts. Upon completion of this course, students will have a better understanding of the homeland security system, the contemporary terrorist threat and strategy, current policy debates facing the United States, and the practical methods used in our criminal justice system to assure the safety of our communities and families. Prerequisite: CJ 2300.
- 4480. CRIMINAL JUSTICE SENIOR SEMINAR.** (3-3-0). A capstone experience for Criminal Justice majors. Students will craft an original critical literature review in the context of novel research questions developed in CJ 4200, drawing on the student's progress to date in the major. Students will present their critical literature review and a revision of the proposal from CJ 4200 based on the review to a panel of Criminal Justice faculty. Students will reflect on concepts, theories, skills, and experiences from throughout their college careers; exercise professionalism; and identify the next steppingstones towards meeting their career goals as practitioners or scholars. Prerequisite: Declared major in Criminal Justice, final semester of senior year, and approval of the Criminal Justice Program Coordinator.
- 4500. DRUG USE IN MODERN SOCIETY.** (3-3-0). This course explores the extent of drug use, both licit and illicit; contributing factors and consequences of drug abuse; and steroids and other drugs in sports. Prerequisite: Junior standing or consent of instructor.

## CULINARY ARTS (CULA)

For Undergraduates Only

- 2010. INTRODUCTION TO CULINARY ARTS.** (2-1-1). Overview of principles of food selection and production, safety, and principles of heat transfer; includes history and trends of the food industry and equipment; introduction of the application of food production. Prerequisite: HMT 2010.
- 2050. FOOD SERVICE LAYOUT, EQUIPMENT, SAFETY AND SANITATION.** (3-1-4). Commercial kitchen layout, design, sanitization and safety characteristics with emphasis on receiving and ingredient control; selection, operation, and care of large equipment, overview of small wares and knife skills.
- 2110. SPECIAL TOPICS IN CULINARY ARTS.** (1 to 3-1-4). Individual and/or class study of specialized topics and particular areas of culinary arts selected in accordance with needs of the student and/or the industry partners.
- 3070. QUANTITY FOOD PRODUCTION AND SERVICE.** (3-1-4). Application of menu planning, food production, and service principles to large group functions with emphasis on buffet service; exploration of cycle menus for institutional and cafeteria service; overview of inventory management. Prerequisite: CULA 2010.
- 3080. GARDE-MANGER.** (3-1-4). Study of basic garde-manger principles with emphasis on the development of skills in the preparation of salads, cold sauces, appetizers, garnishes, decorative carvings and their applications. Emphasis on color, texture, and temperature in preparation and presentation. Students are required to purchase a uniform in this course. Prerequisite: CULA 2010, junior standing.
- 3100. ADVANCED PROFESSIONAL CULINARY PREPARATION AND PRESENTATION.** (3-1-4). Advanced theory and skill development in the preparation and use of thickening agents, stocks, soups, and sauces as well as the primary cooking methods. Advanced development of knife skills. Students are required to purchase a quality knife set in this course. Prerequisite: CULA 2010, junior standing.
- 3200. ADVANCED BAKING AND PASTRY.** (3-1-4). Techniques of advanced baking. Principles of product preparation and presentation of an array of yeast bread products, quick breads, short doughs, cookie doughs, cake methods and a variety of pastry items. Prerequisite: CULA 2010, junior standing.
- 3250. ADVANCED CATERING AND SPECIAL FUNCTIONS.** (3-1-4). Principles of catering and special function operations with emphasis on cost analysis, and use of event orders for staffing, food production, and room set-up; sales, responsible alcohol service; wine appreciation, sales and service; equipment management and service styles. Prerequisite: CULA 2010.
- 4000. BACK OF HOUSE OPERATIONS.** (3-2-3). Students will evaluate menus through research, surveys, and sales. Course overview will include menu design and evaluation, food production, food costs, marketing, and food presentation. Key concepts in the course will be applied during events throughout the semester. Prerequisite: CULA 2010 and two of the following: CULA 3080, CULA 3100, CULA 3200.
- 4110. SPECIAL PROBLEMS IN CULINARY ARTS.** (1 to 3-1-4). Special problems in culinary arts, selected in accordance with needs of the student. Individual and class study of specialized problems and foodservice systems development; for advanced students who are interested in and have a need for work in a particular area of culinary arts.

## DANCE (DAN)

For Undergraduates Only

### Activity Courses for Men and Women

#### 1170. VARSITY DANCE. (2-0-6).

##### Performance Ensembles

For dance majors and minors, and other students by audition. Prerequisite: Consent of instructor.

#### <sup>1</sup>1180. DANCE LINE. (2-0-6).

#### 2410. JAZZ ENSEMBLE. (2-0-6).

#### 2440. MODERN ENSEMBLE. (2-0-6).

#### 2450. BALLET ENSEMBLE. (2-0-6).

#### 2460. TAP ENSEMBLE. (2-0-3).

<sup>1</sup> May be repeated for credit as permitted by University policy on credit for Extra Curricula Activity.

### Performance Instruction

For dance majors and minors, and other students by audition. Prerequisite: Consent of instructor.

**1000. FRESHMAN SEMINAR.** (1-1-0). Freshman dance majors are given an orientation to the campus and its services; such as health, counseling, and the library services, and to the professional dance world. Prerequisite: Freshman dance major only.

**1020. BALLET I.** (2-0-2). Study and practice in classical ballet technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre and Dance major/dance minor only. May be repeated.

**1030. MODERN I.** (2-0-2). Study and practice in modern dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre and Dance major/dance minor only. May be repeated.

**1040. JAZZ I.** (2-0-2). Study and practice in jazz dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance major/minor only.

**1100. BEGINNING BALLET.** (2-0-3).

**1110. JAZZ DANCE.** (2-0-3).

**1150. BEGINNING TAP DANCE.** (2-0-3).

**1190. TAP I.** (2-0-2). Study and practice in tap dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance major/minor only.

**1400. CONTEMPORARY DANCE.** (2-0-2). Intensive training in contemporary dance techniques aimed at the ongoing development of movement skills, kinetic perceptions, center strength, creativity, intellectual understanding and versatility. Prerequisite: Theatre & Dance major/minor only.

**1600. HIP HOP DANCE.** (2-0-2). This course gives students practice in forms of hip hop dancing. Prerequisite: Theatre & Dance major/minor only.

**1660. DANCE IMPROVISATION.** (2-0-2). This course explores free form body movement with the purpose of increasing body and spatial awareness, movement invention, performance applications and movement creativity. Prerequisite: Theatre/Dance major/dance minor only.



- 1710. DANCE THEATRE TECHNOLOGY.** (3-2-1). This introductory level course geared to first year dance majors. This course provides exposure to standard technological theater practices from the historical roots to the present-day. Students will learn a basic overview of theatrical design, tools, and equipment as well as basic theatrical building techniques. Prerequisite: Dance major/dance minor only.
- 1720. ANATOMY FOR DANCERS.** (3-3-0). A lecture course required for freshman dance majors, in which students study the skeletal structure, muscles, tendons, and ligaments; movement range in joints; and injury care and prevention. Prerequisite: Theatre and Dance majors only.
- 1800. DANCE PRODUCTION.** (1 to 3-0-1). This is a practical workshop in support of dance program concerts and activities. Duties include backstage and front of house support. Prerequisite: Consent of instructor.
- 1900. DANCE PERFORMANCE.** (1 to 3-0-1). Semester hours given for rehearsal and performance of choreographic works in the mainstage productions. Prerequisite: Consent of instructor.
- 2020. BALLET II.** (2-0-2). Study and practice in classical ballet technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: DAN 1020. May be repeated.
- 2030. MODERN II.** (2-0-2). Study and practice in modern dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance majors/dance minor only. May be repeated.
- 2040. JAZZ II.** (2-0-2). Study and practice in jazz dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: DAN 1040.
- 2050. RHYTHMIC ANALYSIS AND DANCE ACCOMPANIMENT.** (3-3-0). Rhythm and music structure in relation to dance. Practical application of percussion instrument for dance accompaniment; selection of music for dance.
- 2060. MEN'S CLASS.** (2-0-2). Classical ballet class focusing on pirouettes, jumps, tour en l'air, petit allegro, grand allegro, virtuoso steps, and the musical quality of male variations in dance. Prerequisite: Theatre & Dance major/minor only.
- 2190. TAP II.** (2-0-2). Study and practice in tap dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance major/minor only.
- 2200. WORLD DANCE.** (2-0-2). In this course, students are immersed in the dances of the world. The primary objective of the course is to expose the student to different dance styles and to use dance analysis to identify and study cultural characteristics. Prerequisite: Theatre & Dance major/minor only.
- 2590. DANCE COMPOSITION I.** (2-1-2). Introductory course in dance composition. Practice in choreography in preparation for performance of works created by student. Prerequisite: Consent of instructor.
- 2760. POINTE I.** (2-0-2). Proper use of ballet technique while on pointe. Includes ballet barre warm-up and strengthening exercises at the barre and in the center, followed by classical phrases and/or variations. Prerequisite: Dance major/minor only.
- 2800. DANCE PRODUCTION.** (1 to 3-0-1 to 3). This is a practical workshop in support of dance program concerts and activities. Duties include backstage and front of house support. Prerequisite: Dance major/minor only.
- 2900. DANCE PERFORMANCE.** (1 to 3-0-1 to 3). Semester hour(s) given for rehearsal and performance of choreographic works in the mainstage production. Prerequisite: Dance major/minor only.
- 3020. BALLET III.** (2-0-2). Study and practice in classical ballet technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: DAN 2020. May be repeated.
- 3030. MODERN III.** (2-0-2). Study and practice in modern dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance majors/dance minor only. May be repeated.
- 3040. JAZZ III.** (2-0-2). Study and practice in jazz dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: DAN 2040.
- 3060. MOVEMENT FOR ACTORS.** (2-0-3). Body awareness and creative physical character development for theatre and dance majors. Prerequisite: 2320 and consent of instructor.
- 3070. THEATRICAL DANCE.** (2-0-4). Excerpts of dance choreography from Broadway musicals, television and/or motion pictures. Prerequisite: 1100, 1110, 1150 or consent of instructor.
- 3180. SOMATIC PRACTICE: PILATES-MAT I.** (2-0-2). Students learn the methodology of Joseph Pilates. The six major principles of the Pilates method of body conditioning, the five ultimate goals, the powerhouse, and core stabilization are explained and discussed. Applying these concepts, students perform the basic Pilates mat exercises. Prerequisite: Theatre & Dance major/minor only.
- 3190. TAP III.** (2-0-2). Study and practice in tap dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre & Dance major/minor only.
- 3280. SOMATIC PRACTICE: YOGA.** (2-0-2). The focus is on awareness of breath and the body as a means toward self-awareness, both on and off the mat. In calming tensions of the body and busyness of the mind, overall well-being is enhanced. Prerequisite: Theatre & Dance major/minor only.
- 3560. DANCE HISTORY & CRITICISM** (3-3-0). Chronological study of the history and evolution of dance from ancient times to dance in the United States in the middle of the 20th Century. A semester of interactive approaches to understand how dance is not only interconnected with other art forms but also to historical, political, economic and social events throughout the various periods of time. Prerequisite: Theatre & Dance major/minor only.
- 3570. DANCE HISTORY AND CRITICISM II.** (3-3-0). The study of significant concepts in dance from the middle of the 20th Century to the present. Various functions of dance as art, ritual, and social activity, and its developments as spectacle and entertainment and the effects of dance on cultures. Prerequisite: DAN 3560.
- 3590. DANCE COMPOSITION II.** (3-1-3). Intermediate course for dance composition. Practice in choreography in preparation for performance of works created by students. Prerequisite: DAN 2590.
- 3660. CONTACT IMPROVISATION.** (2-0-2). Introduces dancers to the fundamentals of contact improvisation technique and explores contact improvisation as a dance and performance practice in duet, group, and solo form. Prerequisite: Theatre and Dance major/minor only.

- 3750. BALLET PARTNERING.** (2-0-2). The art of classical ballet partnering is studied and practiced increasing each dancer's knowledge of the skills required to perform *pas de deux*. Focuses on reinforcing the basics of classical partnering (adagio, pirouettes, lifts, and grand allegro) and partnerships. Prerequisite: Dance major/minor only.
- 3760. POINTE II.** (2-0-2). Provides intermediate and advanced-level training in ballet technique emphasis on pointe. Includes ballet barre warm-up and strengthening exercises at the barre and in the center, followed by classical phrases and/or variations. Prerequisite: DAN 2760.
- 3770. MODERN PARTNERING.** (2-0-2). Explores the movement ranges of modern partnering, trust, and the physical expertise required through choreographed combinations mastered weekly in class. Prerequisite: Theatre and Dance major/minor only.
- 3800. DANCE PEDAGOGY.** (3-2-1). Strategies and clinical experiences in teaching dance to public school, private studio and selected special populations; evaluation of materials and instructional strategies for these groups. Prerequisite: instructor's permission.
- 3900. DANCE PERFORMANCE.** (1 to 3-0-1 to 3). Semester hour(s) given for rehearsal and performance of choreographic works in the mainstage productions. Prerequisite: Theatre and Dance major/minor only.
- 4020. BALLET IV.** (2-0-2). Study and practice in classical ballet technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Dance major only. May be repeated.
- 4030. MODERN IV.** (2-0-2). Study and practice in modern dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Dance major only. May be repeated.
- 4040. JAZZ IV.** (2-0-2). Study and practice in jazz dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: DAN 3040.
- 4100. SENIOR CONCERT.** (3-1-4). Major performance project to be staged for public presentation. Creative work designed and choreographed by the student. Prerequisite: Senior standing or consent of instructor.
- 4180. SOMATIC PRACTICE: PILATES – MAT II.** (2-0-2). Students learn the methodology of Joseph Pilates. The six major principles of the Pilates method of body conditioning, the five ultimate goals, the powerhouse, and core stabilization are explained and discussed. Applying these concepts, students perform intermediate to advanced level Pilates mat exercises. Prerequisite: DAN 3180.
- 4190. TAP IV.** (2-0-2). Study and practice in tap dance technique, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Prerequisite: Theatre and Dance major/minor only.
- 4280. SOMATIC PRACTICE: GYROKINESIS.** (2-0-2). Students learn the methodology of Juliu Horvath. The GYROKINESIS® Method is a movement method that addresses the entire body, opening energy pathways, stimulating the nervous system, increasing range of motion and creating functional strength through rhythmic, flowing movement sequences. It is a method, which coordinates movement, breath and mental focus. Prerequisite: DAN 3180 or 3280.
- 4400. SENIOR SEMINAR.** (2-0-2). A seminar for dancers in preparation for their transition into the professional field. Lectures include relevant issues in career building. Prerequisite: Senior dance majors only.

- 4500. WORKSHOP IN DANCE.** (1 to 6-6-0). Short-term intensive work with artist-teacher. Content appropriate to instructor and student. Prerequisite: Consent of instructor and department head.  
Subtitles:  
01-ballet 02-jazz  
03-ballroom  
04-folk and ethnic  
05-modern  
06-tap dance
- 4590. DANCE COMPOSITION III.** (3-0-3). Advanced study of dance composition with emphasis on the interaction of form and content in the creative purpose. Individual projects are required. Prerequisite: DAN 3590.
- 4660. DANCE & TECHNOLOGY.** (3-3-0). Dance and Technology introduces methods of integrating media technologies into the dancer's experience in the areas of dance graphics, sound design for dance, and dance video. Students learn camera, computer and software skills that will facilitate their ability to expand creative expression, as well as enhance their ability to package and promote themselves as artists in a variety of media. Prerequisite: Dance major/minor only.
- 4700. LABAN MOVEMENT ANALYSIS.** (2-2-0). This course provides an overview of Laban Movement Analysis emphasizing the areas of Body, Effort, Shape, Space, and components necessary to understand and support nonverbal communication. Theory, supported by experiential activities, provides the student the opportunity to better understand human movement as well as a means of acquiring efficient, expressive movement. A brief history/application of Laban Movement Analysis is included in the curriculum. Prerequisite: Dance major/minor only.
- 4800. PRACTICUM IN DANCE.** (2-0-4). Apprentice teaching in children's and beginning dance classes. To be assigned as needed. Prerequisite: Junior standing in curriculum and consent of instructor.  
Subtitles:  
01-ballet 02-jazz  
03-ballroom  
04-folk and ethnic 05-modern  
06-tap dance
- 4810. DANCE PEDAGOGY II.** (3-3-0). An in-depth study of pedagogical skills, principles and ideas. This course focuses more on practical application, anatomical knowledge, form and structuring of technique classes as well as the ability to critically analyze the dancer's body through execution. Prerequisite: DAN 3800.
- 4900. DANCE PERFORMANCE.** (1 to 3 – 0 – 1 to 3). Semester hour(s) given for rehearsal and performance of choreographic works in the mainstage productions. Prerequisite: Theatre and Dance major/minor only.

## EARLY CHILDHOOD EDUCATION (ECED)

For Undergraduates Only

- 1013. STRENGTHENING THE CARE AND DEVELOPMENT OF YOUNG CHILDREN I.** (3-2-2). This course develops knowledge, skills, and understanding of the fundamental principles of child development and learning for children ages birth to five. Candidates will be introduced to effective methods for supporting the learning and development of infants, toddlers, and preschool students, as well as approaches for engaging parents around their children's learning and development.
- 1023. STRENGTHENING THE CARE AND DEVELOPMENT OF YOUR CHILDREN II.** (3-2-2). This course will provide candidates an introduction to: 1) planning and implementing steps to advance children's physical and intellectual development; 2) planning and implementing positive ways to support children's social and emotional development; and 3) observing and recording children's behavior. Prerequisite: ECED 1013 or concurrent enrollment in ECED 1013.

- 1033. STRENGTHENING THE CARE AND DEVELOPMENT OF YOUNG CHILDREN III.** (3-2-2). This course will prepare candidates to understand the components of designing and running a quality early childhood program. It provides an introduction to 1) planning and implementing a safe and healthy learning environment 2) ensuring a well-run, purposeful program and 3) maintaining a commitment to professionalism. Prerequisite: ECED 1013 or concurrent enrollment in ECED 1013.
- 1060. ORIENTATION TO EARLY CHILDHOOD EDUCATION.** (1-1-0). Early childhood education as an integrated part of the profession of Family and Consumer Sciences. Identification of professional organizations, ethical and legal guidelines, and professional standards. Demonstration of collaborative learning to inform practice and integrate knowledge of early education, and engage in informed advocacy of young children and the profession. Prerequisite: For majors only.
- 2020. FOUNDATIONS OF DIVERSE EARLY CHILDHOOD EDUCATION.** (3-3-0). Historical and philosophical foundations of early childhood education; a study of multicultural/diverse education with special emphasis on such dimensions of diversity as socioeconomic status, language, ethnicity and race, gender, religion, and exceptionality; identification of professional organizations, ethical and legal guidelines, and professional standards; demonstration of collaborative learning to inform practice and integrate knowledge of early education and engage in informed advocacy of young children and the profession; field experience required. Prerequisite: For Early Childhood majors only. Must successfully complete a federal background check and earn a grade of C or higher to pass course.
- 3040. PARTNERING WITH DIVERSE FAMILIES AND COMMUNITIES.** (3-3-0). Emphasizes positive communication strategies for working with diverse children, families, and communities to promote young children's cognitive, social, emotional, and physical development. Explores strategies for supporting and engaging families in meaningful experiences to support their learning outside of school. Also emphasized are appropriate behavior guidance strategies and tools for preventing and addressing child poverty, abuse and neglect. Field experience required. Prerequisites: A grade of C or higher in ECED 2020; for majors only.
- 3050. BEST PRACTICES IN EARLY CHILDHOOD FAMILY LITERACY.** (3-3-0). Explores best practices for designing diverse family literacy activities and experiences which help young children strengthen their listening, speaking, reading, writing, and artistic expression skills in developmentally appropriate ways. Emphasis is placed on working with families from diverse socioeconomic and cultural backgrounds, including parents with limited literacy skills. Field experience required. Prerequisites: A grade of C or higher in ECED 2020; for majors only.
- 3060. CHILD DEVELOPMENT AND APPROPRIATE PRACTICES FOR YOUNG CHILDREN.** (3-3-1). Physical, mental, social and emotional development and guidance of a child. Directed observation and participation in the child development center to include developmentally appropriate assessment and healthy environment design that respects and challenges all children. Two hours per week of field experience required. Prerequisites: A grade of C or higher in ECED 2020; for majors only.
- 3070. APPROPRIATE PRACTICES FOR INFANTS AND TODDLERS.** (3-3-1). Examining and assessing developmentally appropriate care giving and educational practices for infants and toddlers. Investigating differences in family and community culture, linguistic diversity, and children's needs. Exploring multiple influences on development and learning. Directed observation and practical experiences with infants and toddlers. Two hours of field experience per week required. Prerequisites: A grade of C or higher in ECED 2020 and ECED 3060, for majors only.
- 3080. PROGRAM DESIGN AND CLASSROOM MANAGEMENT FOR YOUNG CHILDREN.** (3-2-5). The staff's role and responsibility in integrating understanding of (a) relationships of home and school environments, (b) developmentally appropriate approaches to teaching and learning, (c) effective classroom management strategies, and (d) knowledge of academic disciplines. Evaluate positive approaches to teaching young children and examine curricula for evidence of meaningful learning outcomes for all courses. Five hours of field experience per week required. Prerequisite: Admission to teacher candidacy. Corequisites: 3090, 3110; EDUC 3010.
- 3090. ENVIRONMENTS FOR YOUNG CHILDREN.** (3-2-5). Planning and evaluating environments in early childhood settings. Selecting and designing furnishings, equipment, and materials to create an environment that is healthy, respectful, supportive, and challenging. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3110; EDUC 3010.
- 3110. EARLY CHILDHOOD METHODS.** (3-2-5). Implementing developmentally appropriate practices for teaching at the Early Childhood level. Techniques and procedures for connecting home and school environments, understanding content knowledge and designing and implementing authentic learning experiences, and using assessment to make curricula design decisions in the Early Childhood setting. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3090; EDUC 3010.
- For Graduates Only
- 5010. ADVANCED CHILD DEVELOPMENT.** (3-3-0). Physical, cognitive and affective development of young children. Prerequisite: 2000 or Educational Psychology 3010.
- 5020. DYNAMICS OF ADULT-CHILD RELATIONSHIPS.** (3-3-0). Application of principles of child and family development to relationships among young children, their parents and teachers.
- 5180. ADMINISTRATION AND ORGANIZATION OF EARLY CHILDHOOD PROGRAMS.** (3-3-0). Philosophy, objectives, and methods of organizing and operating kindergartens, nursery schools, childcare centers and play groups for children below six years of age. (Same as Educational Leadership.)
- 5190. ADVANCED EARLY CHILDHOOD CURRICULUM.** (3-3-0). Curriculum and methods of teaching pre-primary programs. Prerequisite: Six hours in child development and/or child psychology. (Same as Education 5190.)
- 5430. INFANTS AND TODDLERS.** (3-3-0). Development, care and education of infants and toddlers in families and group settings.
- 5450. CHILDREN'S CENTERS.** (3-3-0). Problem-solving activities in housing and equipping an early childhood program; designing learning centers.
- 5460. TRENDS AND ISSUES IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Trends, research, and issues; literature; application and implications for early childhood programs.
- 5470. PRACTICUM IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Individualized program under supervision and guidance; practical experience in organized programs for the child below six. Work with adults, college students, and children. (Same as Education 5470.)
- 5510. APPROPRIATE PRACTICES FOR EARLY CHILDHOOD/PRIMARY DEVELOPMENT AND DIVERSITY (BIRTH TO EIGHT).** (3-3-0). Focuses on developmentally appropriate instructional strategies, performance-based assessments, and documentation procedures that facilitate social, emotional, physical, and cognitive growth and meet the needs of all children from birth to eight. Field experience required.

- 5520. CURRICULUM AND SPACES FOR INFANTS AND TODDLERS.** (3-3-0). Emphasizes developmentally appropriate instructional strategies, manipulatives and materials, and classroom design principles that facilitate development in all areas for diverse infants' and toddlers' needs. Field experience required.
- 5530. POSITIVE RELATIONSHIPS WITH CHILDREN, FAMILIES, AND COMMUNITIES.** (3-3-0). Emphasizes positive communication strategies for working with children, families, and the community to promote young children's cognitive, social, emotional, and academic growth. Also emphasized are appropriate behavior guidance strategies and family literacy activities. Field experience required.
- 5540. TRENDS AND ISSUES IN CONTEMPORARY EARLY CHILDHOOD AND PRIMARY PROGRAMS.** (3-3-0). Examines the role of (a) the child, (b) the parent, (c) the teacher, (d) assessment and documentation, (e) program philosophy, (f) program evaluation, and (g) time, space, and materials in contemporary Early Childhood programs. Course topics include, but are not limited to: Project Approach, Reggio Emilia Approach, Montessori, Even Start, Head Start, Preschool, Kindergarten, First Grade, Second Grade, and Third Grade.
- 5550. EARLY CHILDHOOD/PRIMARY SCHOOL ADMINISTRATION AND ETHICS.** (3-3-0). Explores design of philosophy, goals, environment and materials, schedules, instructional strategies, curriculum and assessment, appropriate guidance practices, parents involvement activities, and ethical practices in programs for children ages zero to eight. Field experience required.
- 5560. EARLY CHILDHOOD/PRIMARY LEARNING SPACE DESIGN.** (3-3-0). Focuses on utilizing design principles from Reggio Emilia to create rich, stimulating, child-centered environments that facilitate growth in all children and promote appropriate behavior. Also emphasized are how to select appropriate manipulatives and materials, use centers- based instruction to teach State standards, and document and assess students' learning in centers. Field experience required.
- 5570. EARLY CHILDHOOD/PRIMARY CURRICULUM AND STANDARDS.** (3-3-0). Examines strategies for designing and implementing developmentally appropriate Early Childhood curriculum that addresses Louisiana Standards for public school children. Also emphasized are emergent curriculum, the Project Approach, and the Reggio Emilia approach. Prerequisite for M.Ed. candidates: All courses required for M.Ed. in Early Childhood or consent of the instructor; Prerequisites for M.A.T. candidates: ECED 5010 and RDG 5020; or consent of the instructor. Co-requisite: Candidates must enroll simultaneously in ECED 5580, or consent of the instructor.
- 5580. EARLY CHILDHOOD/PRIMARY PRACTICUM: PERFORMANCE BASED ASSESSMENT AND DOCUMENTATION.** (3-3-6). Involves advanced candidates in working with young children by designing and implementing developmentally appropriate lesson plans that meet LA. Standards for public school children, implementing performance based assessments, and collecting documentation to enhance student achievement. Candidates learn to implement the Project Approach and Reggio Emilia Approach. Prerequisite for M.Ed. candidates: All courses required for M.Ed. in Early Childhood or consent of the instructor; Prerequisites for Alternate Certification candidates: ECED 5010 and RDG 5020; or consent of the instructor. Co-requisite: Candidates must enroll simultaneously in ECED 5570, or consent of the instructor. Field experience required.

- 5930. SPECIAL PROBLEMS IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Independent study; analysis and compilation of research in an area of early childhood education as approved by the instructor.
- 5950. RESEARCH PROBLEMS.** (1 to 6-0-0). Non-degree credit. May be repeated.
- 5980. THESIS.** (1 to 6-0-0).

## ECONOMICS (ECON)

For Undergraduates Only

- 2000. PRINCIPLES OF MACROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of the aggregate economy. It addresses the problem of how fiscal and monetary authorities promote price level stability and economy growth. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, this course is recommended. Prerequisite: Math 1020 or Math 1035.
- 2010. PRINCIPLES OF MICROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of individual households and business firms and the markets for specific goods. It addresses the problems of how market prices influence the allocation of society's scarce resources and the distribution of income among its members. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, Economics 2000 is recommended. Prerequisite: Sophomore standing. (Credit not allowed for both ECON 2010 and SECO 2810.)

## EDUCATION (EDUC)

For Undergraduates Only

- 2020. FOUNDATIONS OF MULTICULTURAL EDUCATION.** (3-3-0). Historical and philosophical foundations of education; a study of multicultural education with special emphasis on such dimensions of diversity as socioeconomic status, language, ethnicity and race, gender, religion and exceptionalality; field experience component.
- 3010. ASSESSMENT AND DATA LITERACY.** (3-3-2). Current practices and principles of assessment across the curriculum of elementary and secondary schools. Characteristics and uses of formal and informal assessment instruments; procedures on formative assessment and principles/practices for effective standards-based instruction. Assessment instruments designed in EPSY 3000 are implemented. A variety of assessment measures are administered and interpreted. Creation of a classroom assessment improvement plan. Field experience component required. Prerequisites: Admission to candidacy for a degree in teacher education; EPSY 3000. Corequisites: EDUC 4961 or 4981.
- 3100. STANDARDS-BASED PEDAGOGICAL SKILLS FOR TEACHING NUMERACY.** (3-3-0). Identifies appropriate teaching and assessment methods for mathematics in grades 1 – 6. Focus on problem solving teaching methods while planning for standards-based instruction using inquiry and other student-centered methods. Addresses student exceptionalities and differing abilities through modeling and manipulatives. Prerequisites: Admission to teacher candidacy for a degree in teacher education, EDUC 3140, MATH 2030, MATH 2040.
- 3140. INSTRUCTIONAL PLANNING.** (3-3-2). Principles of instructional planning and design based upon content standards, assessment, learning environment, and student diversity. Includes field experience component. Prerequisite: Admission to candidacy for a degree in teacher education.

- 3210. LEARNING ENVIRONMENT AND CLASSROOM MANAGEMENT FOR THE ELEMENTARY CLASSROOM.** (3-3-1). Organization and establishment of learning environment in elementary classroom. Organization, application and implementation of activities and procedures to manage classroom.
- 3220. LEARNING ENVIRONMENT AND CLASSROOM MANAGEMENT FOR THE SECONDARY CLASSROOM.** (3-3-0). Focus on essential features of classroom organization and management for secondary students. Information and application exercises will be provided on topics such as: arranging physical space, choosing rules and procedures, planning and conducting instruction, maintaining appropriate behavior, and managing problem behavior. Practical knowledge and application of classroom management strategies for candidates seeking certification in grades 6-12. Case studies, course readings, examples, field experiences, and applied assignments will be tailored to the grade level and content area for which certification is being sought. Corequisite: EDUC 4010.
- 3390. COOPERATIVE TEACHING EXPERIENCE.** (1-1-0). Teaching conversational English and Louisiana culture in a school setting outside the USA; team teaching and mentoring by the lead classroom teacher. Prerequisite: Admission to the NSU Study Abroad Program. Grading Pass/Fail.
- 4010. SECONDARY SCHOOL TEACHING METHODS.** (3-3-5). Application of instructional planning and teaching in grades 6-12. Emphasis on effective teaching strategies, differentiation, assessment, instructional decision-making, and student engagement. Includes supervised, field-based practicum in assigned school. Prerequisite: Admission to candidacy for degree in teacher education; successful completion of EDUC 3140.
- 4080. APPLICATIONS OF TEACHING LITERACY IN THE ELEMENTARY CLASSROOM.** (3-3-6). Organization of materials; teaching methodology/strategies; procedures, trends and student assessment issues in teaching literacy, writing, and English for the elementary school teacher. Prerequisite: Admission to candidacy for a degree in teacher education; RDG 3030, RDG 3060.
- 4230. TEACHING METHODS IN NUMERACY AND MATHEMATICAL PRACTICES IN THE ELEMENTARY CLASSROOM.** (3-3-6). Organization of materials; teaching methodology/strategies; procedures, trends and student assessment issues in mathematics for the elementary school teacher. Prerequisite: Admission to candidacy for a degree in teacher education; EDUC 3100.
- 4330. CONTENT AND TECHNIQUES OF TEACHING SCIENCE IN THE ELEMENTARY CLASSROOM.** (3-3-6). Organization of materials; teaching methodology/strategies; procedures, trends and student assessment issues in science for the elementary school teacher. Prerequisite: Admission to candidacy for a degree in teacher education.
- 4430. CONTENT AND TECHNIQUES OF TEACHING SOCIAL STUDIES IN THE ELEMENTARY CLASSROOM.** (3-3-6). Organization of materials; teaching methodology/strategies; procedures, teaching aides, trends and student assessment issues in social studies for the elementary school teacher. Prerequisite: Admission to candidacy for a degree in teacher education.
- 4620. INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Teaching in seminars or conferences. Prerequisites: Baccalaureate degree, completion of methods course, an approved application for the internship, and passing scores on PRAXIS Pre-Professional Skills Tests, Principles of Learning & Teaching and in area(s) of specialization under the cooperative supervision of the school and university supervisor. Systematic supervision and evaluations by the school and university supervisors, and participation in Specialty Area tests.
- Subtitles:  
01-secondary teaching  
05-special education  
06-elementary teaching
- 4630. THEORIE AND PRACTICES IN THE TEACHING OF ENGLISH.** (3-3-0). This course allows English Education students to focus on pedagogy specific to English language arts, in addition to synthesizing the content knowledge they've accumulated into practical application in the middle and secondary level classroom. Course assignments and projects will demonstrate effective practice in the teaching of language, literature, and writing. Students should take this course in their senior year in the same semester as Residency I. Prerequisite: Admission to Teacher Candidacy (TC).
- 4860. SPECIAL PROBLEMS-STEM.** (3-2-1). Project Lead The Way (PLTW) is a national Science, Technology, Engineering and Mathematics (STEM) program for increasing the STEM skill sets of middle and high school students. Teachers who successfully complete one or more subtitle pairs will receive a completion certificate for each subtitle pair. A completion certificate will offer secondary education teachers (grades 6 - 12) an opportunity to teach PLTW courses at any school possessing a PLTW STEM Agreement. Course may not be used to fulfill requirements for M.A., M.A.T. or M.Ed. degree within Gallaspy Family College of Education and Human Development. Course may be repeated for credit.  
Subtitles:  
01-Gateway to Technology Basic I  
02-Gateway to Technology Basic II  
03-Introduction to Engineering Design I  
04-Introduction to Engineering Design II  
05-Gateway to Technology Advanced I  
06-Gateway to Technology Advanced II  
07-Principles of Engineering I  
08-Principles of Engineering II  
09-Digital Electronics I  
10-Digital Electronics II
- 4900. SPECIAL TOPICS IN EDUCATION.** (3-3-0). Study of current trends, issues and/or teaching strategies in education. May not be used to complete a B.S. degree in education. Prerequisite: consent of the department.  
Subtitles:  
01-Career & Technical Trade & Industrial Education (CTTIE) New Instructor Workshop  
02-CTTIE renewal
- 4921. RESIDENCY I-TEACHING IN K-12 HEALTH AND PHYSICAL EDUCATION CLASSROOMS.** (6-0-24). Supervised co-teaching, planning and teaching in the all-level classrooms (grades K-12) for a minimum of 60% of the instructional time each week. Designed for all-level certification programs in health and physical education and music education.
- 4922. RESIDENCY II-TEACHING IN K-12 HEALTH AND PHYSICAL EDUCATION CLASSROOMS.** (6-0-24). Supervised co-teaching, planning and teaching in the all-level classrooms (grades K-12) for a minimum of 80% of the instructional time each week. Designed for all-level certification programs in health and physical education and music education.
- 4931. RESIDENCY I-TEACHING IN K-12 EDUCATION CLASSROOMS.** (6-0-24). Supervised co-teaching, planning and teaching in the all-level classrooms (grades K-12) for a minimum of 60% of the instructional time each week. Designed for all-level certification programs in health and physical education and music education.
- 4932. RESIDENCY II-TEACHING IN K-12 MUSIC EDUCATION CLASSROOMS.** (9-0-36). Supervised co-teaching, planning and teaching in the all-level classrooms (grades K-12) for a minimum of 80% of the instructional time each week. Designed for all-level certification programs in health and physical education and music education.

- 4950. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION.** (9-0-25). Observing, planning, and teaching in the early childhood school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: CFS 4160.
- 4951. RESIDENCY I-TEACHING IN THE EARLY CHILDHOOD CLASSROOM.** (3-0-12). Supervised planning, co-teaching, teaching in an early childhood (PK – grade 3) classroom for a minimum of 80% of the instructional time each week. Prerequisites: admission to teacher candidacy for degree in teacher education and passing scores on the Praxis Principles of Learning and Teaching (PLT) and specialty content exams.
- 4952. RESIDENCY II-TEACHING IN THE EARLY CHILDHOOD CLASSROOM.** (3-0-12). Supervised planning, co-teaching, teaching in an early childhood (PK-grade 3) classroom for a minimum of 80% of the instructional time each week. Prerequisite: Successful completion of EDUC 4951-Residency I.
- 4960. RESIDENCY II-TEACHING IN THE ELEMENTARY SCHOOL.** (9-0-25) Supervised co-teaching, planning and teaching in the elementary school grades a minimum of 5 hours daily. Prerequisites: admission to teacher candidacy for degree in teacher education; successful completion of Elementary Education Residency I (RI); application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: Library Science 4160. Students schedule according to certification areas for subtitles below: 03-music, instrumental; 04-music, vocal; 05-health & physical education.
- 4961. RESIDENCY I-TEACHING IN THE ELEMENTARY SCHOOL.** (3-0-12). Supervised planning, co-teaching, teaching in an elementary (grade 1-5) classroom for a minimum of 80% of the instructional time each week. Prerequisites: admission to teacher candidacy for degree in teacher education and passing scores on the Praxis Principles of Learning and Teaching (PLT) and elementary content exams.
- 4962. RESIDENCY II-TEACHING IN THE ELEMENTARY SCHOOL.** (3-0-12). Supervised planning, co-teaching, teaching in an elementary (grade 1-5) classroom for a minimum of 80% of the instructional time each week. Prerequisite: Successful completion of Residency I: Teaching in the Elementary School.
- 4970. STUDENT TEACHING IN THE MIDDLE SCHOOL.** (9-0-25). Observing, planning, and teaching in the middle school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: Education 3020. Student schedule according to certification areas from subtitles below: Subtitles: 02-elementary special education mild/moderate; 03-elementary music, instrumental; 04-elementary music, vocal.
- 4980. RESIDENCY II-TEACHING IN THE SECONDARY SCHOOL.** (9-0-25) Supervised co-teaching, planning and teaching in the secondary school grades a minimum of 5 hours daily. Prerequisites: admission to teacher candidacy for degree in teacher education; successful completion of Secondary Education Residency I (RI); application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Co-requisite: Reading 4080. Students schedule according to certification areas for subtitles below: 02-biology; 03-business; 07-English;13-mathematics; 14-music, instrumental; 15-music, vocal; 16- health and physical education;19-social studies.

- 4981. RESIDENCY I-TEACHING IN THE SECONDARY SCHOOL.** (3-0-12). Supervised co-teaching, planning and teaching in the secondary (grade 6-12) classroom for a minimum of 60% of the instructional time each week. Subtitles for certification areas: 02-biology; 03-business; 07-English; 13-mathematics; 14-music, instrumental; 15-music, vocal; 16-health and physical education; 19-social studies. Prerequisites: admission to teacher candidacy for degree in teacher education and passing scores on the Praxis Principles of Learning and Teaching (PLT) and content exam for certification area.
- 4982. RESIDENCY II-TEACHING IN THE SECONDARY SCHOOL.** (6-0-24). Supervised co-teaching, planning and teaching in the secondary (grade 6-12) classroom for a minimum of 80% of the instructional time each week. Subtitles for certification areas: 02-biology; 03-business; 07-English; 13-mathematics; 14-music, instrumental; 15-music, vocal; 16-health and physical education; 19-social studies. Prerequisite: Successful completion of Residency I: Teaching in the Secondary School.
- For Graduates Only
- 5010. EDUCATIONAL RESEARCH AND EVALUATION.** (3-3-0). Qualitative and quantitative approaches to organization, design, implementation and interpretation of empirical research in behavioral sciences; preparation of research proposals; evaluation of proposals and reports. Prerequisite: Completion of 9 hours of graduate course work.
- 5020. RESEARCH ON CURRICULUM AND INSTRUCTION.** (3-3-0). Review, interpretation and synthesis of research on school curriculum and instructional models, methods and strategies; implementation of research outcomes in educational settings; preparation of research reports. Prerequisite: Admission to alternative post-baccalaureate certification program.
- 5021. LEARNING ENVIRONMENT AND CLASSROOM CULTURE.** (3-3-0). Theories and practices of classroom management and establishing a classroom environment conducive to learning. Emphases include reviewing school-wide practices, creating effective learning environments, selecting appropriate management techniques for preventing and correcting misbehavior and supporting appropriate behavior, recognizing effective teaching styles and teacher behavior, and developing efficient observation and conferencing skills. Field component required. Prerequisite: Admission to alternative post-baccalaureate certification program.
- 5030. EDUCATIONAL PHILOSOPHY AND LEADERSHIP.** (3-3-0). Philosophical, sociological, and historical foundations of education; educational organization and management; leadership strategies; and trends and issues in the development of educational programs. Prerequisite: Admission to alternative post-baccalaureate certification program.
- 5031. DATA LITERACY AND ASSESSMENT.** (3-3-0). Current practices and principles of assessment across the curriculum of elementary and secondary schools. Characteristics and uses of formal and informal assessment instruments; procedures on formative assessment and principles/practices for effective standards-based instruction. Field component required. Prerequisite: Admission to alternative post-baccalaureate certification program.

- 5130. LITERACY BASED INSTRUCTIONAL PLANNING AND DESIGN IN THE CLASSROOM.** (3-3-0). Principles of instructional lesson planning and design, guided and supported by content literacy strategies, appropriate to individual alternative certification candidates' areas of certification. Candidates will learn how to effectively teach the foundational literacy skills of phonological awareness, phonics, fluency, vocabulary, and comprehension, with attention to differentiation for students with advanced literacy skills as well as students with literacy deficiencies, including dyslexia. Emphasis is placed on implementing effective literacy instruction through the use of high-quality instructional materials, administering literacy assessments, and analyzing data to improve literacy outcomes for all students. The course provides an overview of the scientific body of work on dyslexia, including its history epidemiology, clinical presentation, early indicators, and common classroom manifestations. Evidence-based instructional practices for individuals with dyslexia are examined, with focus on remediation of weaknesses, fortification of strengths, and accommodations that support equitable access to learning. An introduction to the professional pathway of becoming a dyslexia practitioner or therapist, pursuant to R.S. 17:392.2, is also included. Classroom management, organization, and applied field experiences are integral components of this course. Prerequisite: Admission to an alternative certification program.
- 5160. PRINCIPLES OF CURRICULUM DEVELOPMENT.** (3-3-0). Principles and practices of curriculum development with opportunities to participate in curriculum construction.
- 5170. LEARNING AND LEADING IN GROUPS AND ORGANIZATIONS.** (3-3-0). How adults learn in small group settings with focus on personal, interpersonal and leadership skills. Theory and practice of small groups in adult learning settings. Emphasis on: 1) growth and development of small learning and task groups, learning communities and communities of practice; 2) group processes and methods/techniques to increase learning in groups; 3) leadership styles, listening and governance approaches; and 4) educational/organizational conditions that enhance learning in groups.
- 5370. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430 or 5440.
- 5371. SEMINAR IN ELEMENTARY TEACHING I.** (3-3-0). Group discussions, individual conferences, reading, and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430, or 5440.
- 5372. SEMINAR IN ELEMENTARY TEACHING II.** (3-3-0). Group discussions, individual conferences, reading, and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430, or 5440. Prerequisite: EDUC 5371.
- 5380. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Prerequisite: EDUC 5370.
- 5381. SEMINAR IN MIDDLE/SECONDARY TEACHING I.** (3-3-0). Group discussions, individual conferences, reading, and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430, or 5440.
- 5382. SEMINAR IN MIDDLE/SECONDARY TEACHING II.** (3-3-0). Group discussions, individual conferences, reading, and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430, or 5440. Prerequisite: EDUC 5381.
- 5390. COOPERATIVE TEACHING EXPERIENCE.** (1-1-0). Teaching conversational English and Louisiana culture to students in a school setting outside the USA; team teaching and mentoring by the lead classroom teacher. Prerequisite: Admission to the NSU Study Abroad Program. Grading Pass/Fail.
- 5410. ELEMENTARY SCHOOL INTERNSHIP IN TEACHING I.** (3 to 9-0-6 to 18). Full-time teaching in Elementary classroom in a state approved school under supervision of University and school-based personnel. Prerequisites: EDUC 5601, 5611; EPSY 5490; passing scores on all required PRAXIS tests.
- 5411. ELEMENTARY SCHOOL INTERNSHIP IN TEACHING II.** (3-0-12). Full-time teaching in an Elementary (grade 1-5) classroom in a state approved school under the supervision of University and school-based personnel. Prerequisite: EDUC 5410.
- 5420. MIDDLE SCHOOL INTERNSHIP IN TEACHING I.** (3 to 9-0-6 to 18). Full-time teaching in Middle school classroom in a state approved school under the supervision of University and school-based personnel. Prerequisites: EDUC 5602, 5612, and EPSY 5490 or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5421. MIDDLE SCHOOL INTERNSHIP IN TEACHING II.** (3-0-12). Full-time teaching in Middle school grades in state approved schools under the supervision of University and school-based personnel. Prerequisite: EDUC 5420.
- 5425. MIDDLE SCHOOL RESIDENCY/INTERNSHIP IN TEACHING I.** (3-0-12). Full-time co-teaching in the middle school classroom in state-approved school under the supervision of university and school-based personnel. Prerequisite: Passing scores on all required PRAXIS exams and admission to grant program.
- 5426. MIDDLE SCHOOL RESIDENCY/INTERNSHIP IN TEACHING II.** (3-0-12). Full-time co-teaching in the middle school classroom in state-approved school under the supervision of university and school-based personnel. Prerequisite: EDUC 5424 and admission to grant program.
- 5430. SECONDARY SCHOOL INTERNSHIP IN TEACHING I.** (3 to 9-0-6 to 18). Full-time teaching in a secondary certification content area in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5602, 5612, and EPSY 5490 or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5431. SECONDARY SCHOOL INTERNSHIP IN TEACHING II.** (3-0-12). Full-time teaching in Secondary school (grades 6-12) in state approved schools under the supervision of University and school-based personnel. Prerequisite: EDUC 5430.
- 5440. SPECIAL EDUCATION MILD/MODERATE INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Special Education Mild/Moderate Grades 1-12 in state approved schools under supervision of University and school-based personnel. Prerequisites: SPED 5170, 5180, and 5190; passing scores on all required PRAXIS tests.
- 5450. EARLY CHILDHOOD INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Early Childhood Grades in state approved schools under supervision of University and school-based personnel. Prerequisites: ECED 5470, 5010, 5190; SPED 5510; EPSY 5490; RDG 4610; passing scores on all required PRAXIS tests.

- 5451. EARLY CHILDHOOD INTERNSHIP IN TEACHING II.** (3-0-12). Full-time teaching in an early childhood (Pre-K through 3<sup>rd</sup> Grade) classroom in a state approved school under the supervision of university and school-based personnel. Prerequisite: EDUC 5450.
- 5460. PLANNING AND IMPLEMENTING ADULT LEARNING PROGRAMS.** (3-3-0). Models and procedures to develop, administer, and evaluate adult learning programs in workplace, community and educational settings. Emphasis is on application of literature and theory about, for example, needs assessments, planning process, implementation procedures, and evaluation approaches to real time practice settings.
- 5480. DESIGN AND MEASUREMENT OF ADULT LEARNING ACTIVITIES.** (3-3-0). Models and principles to design, develop, conduct, and assess adult learning experiences (including self and peer assessment), with application to the various organizational and community contexts where adult learning is promoted.
- 5600. PRINCIPLES OF INSTRUCTIONAL DESIGN.** (3-2-1). Theory of instructional design as derived from human learning principles. Techniques of instructional design, classroom management and organization, and assessment for the diverse learner. Includes field experience component. Prerequisite: Admission to MAT program; EPSY 5490 and either RDG 5010 or RDG 5150.
- 5601. PRINCIPLES OF INSTRUCTIONAL PLANNING IN THE ELEMENTARY CLASSROOM.** (3-3-1). Principles of instructional lesson planning and design based upon content standards, assessment, learning environment and student diversity. Includes field experience component. Prerequisite: Admission to MAT program.
- 5602. PRINCIPLES OF INSTRUCTIONAL PLANNING IN THE MIDDLE AND SECONDARY CLASSROOM.** (3-3-1). Principles of instructional lesson planning and design based upon content standards, assessment, learning environment and student diversity. Includes field experience component. Prerequisite: Admission to MAT program.
- 5610. INSTRUCTIONAL METHODOLOGY.** (3-2-1). Research on current issues and trends related to classroom management/ organization, instructional design, strategies, instructional technology, and assessment for diverse learners. Includes field experiences component. Prerequisites: EDUC 5600.
- 5611. APPLICATIONS OF TEACHING IN THE ELEMENTARY CLASSROOM.** (3-3-2). Organization of materials; teaching methodology/strategies, procedures, learning environment, classroom management, trends and student assessment issues in literacy, mathematics, science and social studies for the elementary classroom. Includes field experience component. Prerequisite: EDUC 5601.
- 5612. APPLICATIONS OF TEACHING IN THE MIDDLE AND SECONDARY CLASSROOM.** (3-2-1). Organization of materials; teaching methodology/strategies, procedures, learning environment, classroom management, trends and student assessment issues in content specific areas for the middle or secondary classroom. Includes field experience component. Prerequisite: EDUC 5602.
- 5630. LITERACY-BASED INSTRUCTIONAL PLANNING AND DESIGN.** (3-3-0). Principles of instructional lesson planning and design, guided and supported by content literacy strategies, appropriate to individual PREP candidates' areas of certification. Classroom management and organization are also components. Includes field experience component. Prerequisite: Admission to PREP. Co-requisites: EDUC 5640; EPSY 5480.

- 5640. LITERACY-BASED METHODS FOR CONTENT AREA TEACHING.** (3-2-1). Researching, planning, and practicing instructional strategies for teaching and assessing subject area content using literacy support techniques, including writing as a way of assessing learning in the content. Differentiating instruction and infusing technology are also components of this lesson planning process. Includes field experience component. Pre-requisite: Admission to PREP. Co-requisite: EDUC 5630, EPSY 5480.
- 5650. LITERACY-BASED INSTRUCTIONAL PLANNING AND DESIGN IN THE ELEMENTARY CLASSROOM.** (3-3-0). Principles of instructional lesson planning and design, guided and supported by content literacy strategies. Planning considers content standards, assessment, learning environment and student diversity. Classroom management and organization are also components. Includes field experience component. Prerequisite: Admission to PREP program. Corequisites: EDUC 5660; EPSY 5480.
- 5660. LITERACY-BASED APPLICATIONS OF TEACHING IN THE ELEMENTARY CLASSROOM.** (3-2-1). Organization of materials; teaching methodology/strategies, procedures, learning environment, classroom management, trends and student assessment issues in literacy, mathematics, science and social studies for the elementary classroom. Differentiating instruction and infusing technology are also components of the course. Includes field experience component. Prerequisite: Admission to PREP. Corequisites: EDUC 5650; EPSY 5480.
- 5670. LITERACY-BASED INSTRUCTIONAL PLANNING AND DESIGN IN THE MIDDLE AND SECONDARY CLASSROOM.** (3-3-0). Principles of instructional lesson planning and design, guided and supported by content literacy strategies. Planning considers content standards, assessment, learning environment and student diversity. Classroom management and organization are also components. Includes field experience component. Prerequisite: Admission to PREP program. Corequisites: EDUC 5680; EPSY 5480.
- 5680. LITERACY-BASED APPLICATIONS OF TEACHING IN THE MIDDLE AND SECONDARY CLASSROOM.** (3-2-1). Organization of materials; teaching methodology/strategies, procedures, learning environment, classroom management, trends and student assessment issues in literacy, mathematics, science and social studies for the middle and secondary classroom. Differentiating instruction and infusing technology are also components of the course. Includes field experience component. Prerequisite: Admission to PREP. Corequisites: EDUC 5670; EPSY 5480.
- 5690. EFFECTIVE PROFESSIONAL WRITING.** (3-3-0). Knowledge and skills to write effectively and persuasively in a variety of workplace roles, (e.g., as teachers, professors, administrators, managers, directors and grant-writers). Included are criteria and techniques for effective professional writing, writing examples, exercises and real-world tasks. Designed to increase writing clarity, correctness, conciseness, and comprehensiveness. Culminating assignment is to draft a grant proposal.
- 5810. DYSLEXIA AND THE SCIENCE OF READING: LITERACY-BASED APPLICATIONS OF TEACHING.** (3-3-0). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Online Literacy-Based Applications of Teaching-Researching, planning, and practicing instructional strategies for teaching and assessing subject area content using literacy support techniques, including writing as a way of assessing learning in the content. Differentiating instruction and infusing technology are also components of this class. This course introduces the reading process using English Language Arts and literacy teacher preparation competencies that identify essential knowledge and skills for teacher candidates seeking certification.



- 5820. DYSLEXIA AND THE SCIENCE OF READING: LITERACY-BASED APPLICATIONS OF TEACHING IN THE ELEMENTARY CLASSROOM.** (3-3-1). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Online Literacy-Based Applications of Teaching-Researching, planning, and practicing instructional strategies for teaching and assessing subject area content using literacy support techniques, including writing as a way of assessing learning in the content. Differentiating instruction and infusing technology are also components of this class.
- 5830. DYSLEXIA AND THE SCIENCE OF READING: LITERACY-BASED APPLICATIONS OF TEACHING IN THE MIDDLE AND SECONDARY CLASSROOM.** (3-3-1). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Online Literacy-Based Applications of Teaching-Researching, planning, and practicing instructional strategies for teaching and assessing subject area content using literacy support techniques, including writing as a way of assessing learning in the content. Differentiating instruction and infusing technology are also components of this class.
- 5840. USING RESEARCH TO IMPROVE INSTRUCTIONAL PRACTICE.** (3-3-0). Apply the educational research process through a review of literature, analysis of data, and plans to improve instructional practice with empirically supported decisions. Prerequisites: Admission to an alternative post-baccalaureate certification program; completion of 9 hours in degree program.
- 5850. ACTION RESEARCH FOR SCHOOL IMPROVEMENT.** (3-3-0). Provides an opportunity for practitioners to engage in inquiry by investigating, developing, and implementing a school improvement plan appropriate for their unique settings. Prerequisite: EDUC 5010.
- 5860. SPECIAL PROBLEMS – STEM.** (3-2-1). Project Lead The Way (PLTW) is a national Science, Technology, Engineering and Mathematics (STEM) program for increasing the STEM skill sets of middle and high school students. Teachers who successfully complete one or more subtitle pairs will receive a completion certificate for each subtitle pair. A completion certificate will offer secondary education teachers (grades 6 -12) an opportunity to teach PLTW courses at any school possessing a PLTW STEM Agreement. Course may not be used to fulfill requirements for M.A., M.A.T. or M.Ed. degree within Gallaspy Family College of Education and Human Development.
- Course may be repeated for credit.  
Subtitles:  
01-Gateway to Technology Basic I  
02-Gateway to Technology Basic II  
03-Introduction to Engineering Design I  
04-Introduction to Engineering Design II  
05-Gateway to Technology Advanced I  
06-Gateway to Technology Advanced II  
07-Principles of Engineering I  
08-Principles of Engineering II  
09-Digital Electronics I  
10-Digital Electronics II
- 5890. FIELD STUDY PROPOSAL.** (3-3-0). First half of field study preparation. Completion of this course will result in the successful defense and approval of the field study proposal (Chapters 1 – 3) to members of the candidates' committee, and, if necessary, the submission and approval of required documentation to The Committee on the Protection of Human Subjects in Research. A candidate will be continuously enrolled in EDUC 5890 until the proposal is successfully defended and approved. Prerequisite: Successful completion of two-thirds of degree program and approval of major professor.
- 5900. DATA ANALYSIS FOR SCHOOL IMPROVEMENT.** (3-3-0). Principles and techniques of data analysis; process of disaggregating and interpreting data that is critical to school improvement; correlation of data analysis to peer-reviewed research and current trends and issues in education; use of disaggregated data to identify strengths and weaknesses and develop action plans.
- 5910. INTERNSHIP I.** (3-3-0). Full-time teaching as teacher of record in a classroom in a state approved school under supervision of University and school-based personnel. Prerequisites: Attainment of practitioner license, passing scores on all required PRAXIS tests.
- 5920. INTERNSHIP II.** (3-3-0). Full-time teaching as teacher of record in a classroom in a state approved school under supervision of University and school-based personnel. Prerequisites: Attainment of practitioner license, passing scores on all required PRAXIS tests.
- 5950. RESEARCH PROBLEMS.** (3-0-0). Maximum of six hours toward degree. Design, organization, and implementation of a research or development project under the direction of the student's major professor. Written report and evaluation required. Prerequisites: Successful completion of two-thirds of degree program, 5010 or equivalent, and approval of major professor.
- 5970. THESIS PROPOSAL.** (3-3-0). First half of thesis preparation. Completion of this course will result in the successful defense and approval of the thesis proposal (Chapters 1 -3) to members of the candidate's committee and the submission and approval of required documentation to The Committee on the Protection of Human Subjects in Research. A candidate will be continuously enrolled in EDUC 5970 until the proposal is successfully defended and approved. Prerequisite: Approval of major professor.
- 5980. THESIS DEFENSE.** (3-0-0). Second half of thesis preparation. Completion of this course will result in successful defense and approval of the thesis (Chapters 1 – 5) to members of the candidate's committee. A candidate will be continuously enrolled in EDUC 5980 until the thesis is successfully defended and approved. A maximum of six hours will be applied toward a degree. Prerequisite: Successful completion of EDUC 5970 and approval of major professor.
- 5990. FIELD STUDY DEFENSE.** (3-0-0). Second half of field study preparation. Completion of this course will result in the successful defense and approval of the field study (Chapter 1 – 5) to members of the candidate's committee. A candidate will be continuously enrolled in EDUC 5990 until the field study is successfully defended and approved. Prerequisite: Successful completion of EDUC 5890 and approval of major professor.
- 6050. RESEARCH FOR MAKING EDUCATIONAL DECISIONS.** (3-3-0). Provides adult educators working in a variety of roles (e.g., as educators, administrators, directors, grant writers, etc.) with fundamentals of using research findings and best-practices guidelines to make evidence-based decisions. Based on a two-pronged approach: (1) providing skills for understanding and evaluating published research, and (2) developing skills in evidence gathering, interpreting, and reporting to stakeholders. Prerequisites: EDAL 5010, 5020 and 5030.
- 7020. UNDERSTANDING ORGANIZATIONAL LEADERSHIP AND CHANGE.** (3-3-0). Leadership perspectives on organizational change and the transformative relationships between adult learning and the values, structures, and processes of organizational systems. Emphasis is on community college and adult learning organizations.
- 7040. INSTRUCTIONAL DESIGN AND PROFESSIONAL DEVELOPMENT FOR ADULT LEARNERS.** (3-3-0). Structured exploration of instructional design models, principles, and processes and how they relate to the design, delivery, and measurement of adult learning activities, including professional development of the individual in the workplace.

- 7060. SEMINAR IN LAW, POLICY, AND ISSUES.** (3-3-0). An introduction to the discipline of public policy analysis and an overview of the law, policy, and issues impacting the selected field of study. Included are perspectives around compliance and organizational accreditation by relevant accrediting bodies.
- 7100. METHODS FOR PLANNING AND CONDUCTING EDUCATIONAL RESEARCH.** (3-3-0). A systematic look at the design, methods, interpretation, ethics, and challenges of educational research, with emphasis on research skills and research as a way of thinking.
- 7110. QUALITATIVE RESEARCH METHODS FOR EDUCATIONAL RESEARCH.** (3-3-0). Methods and design of education research using qualitative methods. Emphasis on selecting methods, collecting and analyzing qualitative data, and ethical issues particular to qualitative methods.
- 7120. QUANTITATIVE AND STATISTICAL METHODS FOR EDUCATIONAL RESEARCH.** (3-3-0). Research methods, data collection, statistical techniques, interpretation of results, and evaluation of quantitative educational research.
- 7130. DOCTORAL SEMINAR: PLANNING FOR RESEARCH AND PRACTICE.** (3-3-0). Planning specific methods, approaches, and processes for educational research and evidence based decision-making leading to development of the doctoral dissertation prospectus.
- 7160. SCHOLARLY WRITING FOR RESEARCH AND PRACTICE.** (3-3-0). Knowledge and skills to write effectively in a variety of academic contexts. Included are effective criteria and techniques for improving scholarly writing and practice.
- 7170. APPLIED PRINCIPLES OF ADULT LEARNING OR ORGANIZATIONAL LEADERSHIP.** (3-3-0). Structured exploration of the application of the principles of adult learning and/or organizational leadership through an individualized practicum experience in a setting appropriate for the selected field of study.
- 7180. DISSERTATION RESEARCH.** (3-3-0). Supervised dissertation research. Recommendation of major professor, approval of committee, and approval of program coordinator. May be repeated for credit.
- 7181. DISSERTATION RESEARCH PART 2.** (3-3-0). Supervised doctoral dissertation research part 2. Recommendation of major professor, approval of committee, and approval of program coordinator. May be repeated for credit.
- 7330. TEACHING, LEARNING, AND CURRICULUM IN POST-SECONDARY EDUCATION.** (3-3-0). Leadership perspectives on the scholarship of teaching and learning, curriculum design and the barriers to student success in post-secondary education. The course examines the challenges of non-traditional students, developmental learning, transition to four-year universities, and provision of successful workforce development programs.
- 7420. PLANNING AND MEASURING ADULT LEARNING PROGRAMS.** (3-3-0). Study of organization-level models and principles for designing, conducting, and measuring outcomes of adult learning programs in various workplace, educational, and community settings where adult learning is promoted.
- 7430. TEACHING DISADVANTAGED ADULT LEARNERS.** (3-3-0). This course examines the educational, social, cultural, economic, and cognitive conditions that create barriers to adult learner success and presents instructional and learning strategies that can mitigate their impact.

## EDUCATION - ADULT AND CONTINUING (EDAE)

For Undergraduates Only

- 4700. FUNDAMENTALS OF TEACHING ADULT EDUCATION.** (3-3-0). Conditions of learning through the lifespan and within a variety of cultural settings. Emphasis is given to the literature of adult learning as a distinct discipline and the diversity of forms of learning an adult's life.
- 4720. MATERIALS AND METHODS IN TEACHING ADULT EDUCATION.** (3-3-0). Selection and utilization of materials and techniques appropriate to the educational needs of adults in their various life roles as economic contributors, family members, and individuals in society. Prerequisite: Senior standing or above.
- 4730. READING INSTRUCTION IN ADULT EDUCATION.** (3-3-0). Identification of reading skills; evaluation of reading skills; evaluation of reading achievement; diagnosis of specific problem areas; developing instructional materials and methodology.
- 4740. PRACTICUM IN ADULT AND COMMUNITY EDUCATION.** (3-0-15). Appropriate placement at adult and community education sites for laboratory and field experience. Directed research required at graduate level.

For Graduates Only

- 5700. FOUNDATIONS OF ADULT/CONTINUING EDUCATION.** (3-3-0). History, profession, primary philosophies, major organizations of adult education. This core course introduces the degree candidate to the traditions, institutions, and professional obligations of the adult educator.
- 5720. DEVELOPMENT AND LEARNING IN ADULTHOOD.** (3-3-0). Principles of adult development and learning; physical, psychosocial, cognitive development from adolescence through old age; memory, cognition, and learning styles; learning environments for adults; learning as a self-directed activity; topics of interest to professionals working in formal and informal learning environments for adults.
- 5730. ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION CLASSES.** (3-3-0). Design and delivery of instruction for adults in many formats and settings. Facilitating learning through technology. Legal, ethical, and financial considerations of instructional design. Prerequisites: 5700 and 5720.
- 5740. ADULT LEARNING IN DISTANCE EDUCATION SETTINGS.** (3-3-0). Theory and nature of adult learning in distance education settings. Current technology and instructional design, learner evaluation, and systematic training and development. Transfer of learning for persons with disabilities and for institutionalized populations.
- 5750. PROGRAM DEVELOPMENT PROCESS IN ADULT AND CONTINUING EDUCATION.** (3-3-0). Designing, maintaining, and improving organizations and complex programs in continuing and adult education. Identification of communities of interest and stakeholders, needs assessment, long range planning, and evaluation are included. Prerequisites: 5700 and 5720.
- 5760. THEORY AND IMPLEMENTATION OF STAFF DEVELOPMENT PROGRAMS.** (3-3-0). Foundation and practical application of comprehensive staff development program for schools, businesses, and other organizations. Emphasis on organizational process and individual growth.
- 5800. TEACHING ADULTS.** (3-3-0). Planning and conducting adult education in a variety of settings.

- 5820. MOTIVATION AND MATERIALS IN ADULT DEVELOPMENTAL EDUCATION.** (3-3-0). Selection and utilization of materials and motivation techniques appropriate to the educational needs of adults in developmental settings. Designing learning opportunities in relation to adults' life roles as economic contributors, family members, and individuals in society.
- 5830. LITERACY AND ADULT EDUCATION.** (3-3-0). Role of Reading in adult developmental education and in adult life.
- 5840. PRACTICUM IN ADULT DEVELOPMENTAL EDUCATION.** (3-3-0). Appropriate placement at adult and community education sites for laboratory and field experience.

## EDUCATION – ADULT LEARNING AND DEVELOPMENT (EDAL)

For Undergraduates Only

- 4000. FOUNDATIONS OF ADULT LEARNING.** (3-3-0). Investigation of adult learning systems' organization and structure and emerging models of adult education. Focus on delivery systems in formal and informal settings where adult learning is emphasized. Study of historical, social, and political aspects of continuing education and training and global lifelong learning movement.
- 4010. INTRODUCTION TO ADULT DEVELOPMENT.** (3-3-0). Study of adult learners' unique nature, including motivation, challenges, adult learning processes, and self-directed and lifelong learning. Emphasis on understanding adulthood, adult development, and maturation into a self-directed individual and learner.
- 4030. DESIGNING PROFESSIONAL DEVELOPMENT AND ADULT LEARNING ACTIVITIES.** (3-3-0). An introduction to designing, conducting, and assessing adult learning experiences (including self and peer assessment), with application for professional development, workplace learning, and adult learning in various organizations.

For Graduates Only

- 5000. FOUNDATIONS OF CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT FOR ADULTS.** (3-3-0). Systematic review of adult learning systems' organization and structure and emerging paradigms for adult education. Focus on delivery systems in formal and informal setting in business, industry, governmental and community agencies, higher education, religion, health care, and gerontology. Study of historical, social and political aspects of continuing education and training and global lifelong learning movement.
- 5010. ADULT LEARNING AND DEVELOPMENT.** (3-3-0). Study of adult learners' unique nature, including motivation, adult learning processes, learning how to learn, and self-directed and lifelong learning. Emphasis on understanding adulthood, adult development, and the maturation process and the relevance to learning of physiological/neurological, sociological, anthropological, and psychological factors.
- 5100. LITERACY AND ADULT LEARNING.** (3-3-0). The role of reading in adult developmental education and in adult life. Theories and techniques of teaching reading in formal and informal adult developmental education settings and in adult life. Emphasis on establishing appropriate relationships, fostering climates for learning, encouraging individuation and collaboration, and linking learning to life experience.
- 5120. ADULT DEVELOPMENT IN ORGANIZATIONAL SYSTEMS.** (3-3-0). Examines adult development in the context of organizational systems. Emphasizes interactive and transformative potential between the development of individuals and the values, structures, and processes of organizational systems in a changing world. Presents theories of adult development and change and an opportunity to employ them for self and professional development and in organizational applications. Prerequisite: EDAL 5010.

- 5130. MANAGEMENT OF ADULT LEARNING ENVIRONMENTS AND ORGANIZATIONS.** Management of adult learning environments and critical aspects of organizational functions for team leaders, managers or directors. Emphasis on business administration and financial management of adult learning organizations, including managing and implementing grant programs. Resource development and facilitating community and university partnerships, regional/state/ national networks, and community board recruitment/selection/ development. Prerequisite: EDAL 5000.
- 5140. WORKFORCE DEVELOPMENT SYSTEMS AND MANAGEMENT.** (3-3-0). An overview of the history and structure of workforce development systems and the career development process. Emphasis on understanding the labor market, meeting stakeholder needs, and managing workforce development programs. Includes principles of teamwork, effective communication with stakeholders, and the role of workforce development in economic development.
- 5510. SPECIAL TOPICS IN ADULT LEARNING.** (3-3-0). Supervised, independent study of selected adult learning topic(s). May be repeated for credit with varied topics. Prerequisite: Consent of the Department Head.
- 6010. PRACTICUM IN ADULT LEARNING AND DEVELOPMENT.** (3-3-0). Structured exploration of application of adult education in a practicum site (e.g., classrooms, learning laboratories, community organizations and agencies and other public and private workplaces). Students communicate activities, setting, and significant personnel related to the practicum to the university practicum instructor, ensuring appropriate approval at specific points throughout the process. Prerequisite: EDAL 5010, 6000.
- 7000. THE DISCIPLINE OF ADULT LEARNING AND DEVELOPMENT.** (3-3-0). An in-depth review of the organization and structure of adult learning systems in both formal and informal settings. The foundational emphasis is on the global adult learning and development movement, concepts, purposes and practices of the discipline.
- 7010. THE THEORY AND PRACTICE OF ADULT LEARNING AND DEVELOPMENT.** (3-3-0). A systematic inquiry into emerging paradigms for adult education and the educational, theoretical, cultural, and philosophical foundations of adult learning and development.
- 7030. DIVERSITY AND MULTICULTURAL PERSPECTIVES IN ADULTHOOD.** (3-3-0). A study of social, cultural, economic, and cognitive conditions that influence learning in adulthood, including local, national, and international perspectives.
- 7050. GRANT DEVELOPMENT AND PROJECT MANAGEMENT.** (3-3-0). This course presents solutions for meeting organizational funding and sustainability challenges through development, implementation, and management of grants. Also included are strategies for leading and directing projects and teams to achieve strategic and organizational results with a focus on adult learning and community college settings.
- 7190. SPECIAL TOPICS IN ADULT LEARNING.** (3-3-0). Supervised, independent study of selected adult learning topic(s). May be repeated for credit with varied topics. Prerequisite: Consent of the department head.
- 7300. COMMUNITY COLLEGE ORGANIZATION AND ADMINISTRATION.** (3-3-0). An examination of organizational and administrative structures and processes of the community college and meeting the unique complexities and challenges of community colleges and two-year institutions.
- 7310. ORGANIZATIONAL LEADERSHIP IN THE COMMUNITY COLLEGE.** (3-3-0). Understanding the practice and role of leadership in the community college and relevant models for achieving organizational goals and improving outcomes with a focus on leadership as a process and core leadership competencies to achieve strategic organizational change.

- 7320. FINANCIAL AND HUMAN RESOURCE ADMINISTRATION FOR COMMUNITY COLLEGES.** (3-3-0). Budgeting, financial, and human resource management strategies for public community and two-year colleges. Emphasis is on compliance issues, developing human capital, and enhancing service delivery in climates of budgetary challenges.
- 7400. WORKFORCE DEVELOPMENT IN A GLOBAL ECONOMY.** (3-3-0). This course examines the characteristics of the contemporary global worker along with current and future trends in the global workforce market and connects to planning, designing, and implementing effective workforce development programs with consideration of market needs, external relationships and context, and analysis of outcomes.
- 7410. SEMINAR IN TRANSFORMATIVE ADULT LEARNING ENVIRONMENTS.** (3-3-0). A consideration of the spectrum of adult learning environments and opportunities, including structured institutional and unstructured informal settings where learning occurs with implications for the design of educational programs and activities. Emphasis is on programs that target contemporary adult learning and workforce development needs for transforming individual capabilities, beliefs, perceptions, and expectations.

## EDUCATION – CURRICULUM AND INSTRUCTION (EDCI)

For Graduates Only

- 5020. CURRICULUM DEVELOPMENT FOR SCHOOL IMPROVEMENT.** (3-3-2). Examines various approaches to curriculum development to meet the needs of individual school districts so that standards can be met through a curriculum designed to meet the needs of a diverse student population. Prerequisite: Admission to Graduate School.
- 5030. INSTRUCTIONAL IMPROVEMENT AND ASSESSMENT.** (3-3-2). Examines the use of data from multiple sources to establish challenging standards and the implementation of effective and innovative teaching practices to engage students in meaningful and challenging learning experiences. Prerequisite: Admission to Graduate School.
- 5040. INSTRUCTIONAL COACHING.** (3-3-0). This course is designed to develop a deeper understanding of how to nurture and facilitate high performance teaching, increase expertise in identifying struggling and proficient teachers, and improve communication skills. This course helps practicing educators develop leadership ability for use in the classroom or in expanded roles as: lead teacher, instructional coach, team leader, curriculum developer, department chairperson, new teacher mentor, or special project leader.
- 5050. DIFFERENTIATED INSTRUCTION.** (3-3-0). This course examines principles and practices necessary for addressing the learning needs of diverse student populations (including culturally and linguistically diverse students, gifted learners, English learners, students with disabilities) at all levels of schools. Differentiated instruction is essential to support educators' professional learning and maximize student growth.
- 5110. REFLECTIVE AND COHERENT CLASSROOM PRACTICE.** (3-3-2). Describes the relationship among curriculum, instruction, assessment, external mandates, community content and the practice of teacher reflection that leads to improved educational experiences for 1-12 students.
- 5120. ADVANCED INSTRUCTIONAL THEORIES AND STRATEGIES.** (3-3-2). Examines current theories of learning and the strategies they support for increased student achievement in the 1-12 classroom. Prerequisite: EDCI 5110.

- 5130. TEACHING DIVERSE LEARNERS.** (3-3-2). Examines characteristics of learners from different cultural settings and the adaptations, methods, materials, and resources that support instruction for these learners.
- 5140. CLINICAL INTERNSHIP IN CURRICULUM AND INSTRUCTION.** (3-1-6). A supervised experience in classroom settings that implement the process procedures for instructional coaching leading to improved student achievement. Prerequisite: All other courses required for the M.Ed. in Curriculum and Instruction.
- 5150. NATIONAL BOARD PREPARATION: PORTFOLIO AND ASSESSMENT WRITING.** (3-3-0). Application in descriptive narrative, analytical, and reflective writing required of teachers from the National Board for Professional Teaching Standards portfolio and exam; exploration of the core propositions and standards of NBPTS with practical applications. Prerequisite: Application to the National Board for Professional Teaching Standards.
- 5160. NATIONAL BOARD CERTIFICATION PREPARATION: THE TEACHER LEADER.** (3-3-0). Applications in descriptive narrative, analytical, and reflective writings required of teachers for the National Board for Professional Teaching Standards portfolio and exam; exploration of the roles of a teacher leader in order to develop expertise in leading whole faculty study groups, inquiry research, and grant writing. Prerequisites: Application to the National Board for Professional Teaching Standards: <http://www.nbpts.org> and EDCI 5150 or instructor's approval.
- 5200. PROFESSIONAL STANDARDS FOR INSTRUCTION AND ASSESSMENT.** (3-3-0). This course is designed to lead teachers in the evaluation of their practice based on the national standards for their content area and the National Board for Professional Teaching Standards (NBPTS) core propositions. Assignments will include the development of lessons and assessments that reflect knowledge of current research and of professional standards most appropriate and relevant to specific subject area and grade level. Pre-requisites: Three years teaching experience, EDCI 5110, 5120, application to the National Board for Professional Teaching Standards: <http://www.nbpts.org>, instructor's consent.
- 5240. PRINCIPLES OF SECOND LANGUAGE LEARNING, INSTRUCTION AND METHODOLOGY.** (3-3-0). Examines a number of second language learning/teaching paradigms and focuses on the changing forms and functions of methodology and technique as the emphasis of language pedagogy has shifted from teacher directed, drill and pattern practice to learner focused, task-based instruction.

## EDUCATION –SPECIAL EDUCATION (EDSP)

For Graduates Only

- 5000. EDUCATIONAL PSYCHOLOGY AND SPECIAL EDUCATION APPLIED TO TEACHING.** (3-2-2). Application of theoretical practices from educational psychology and special education to teaching; developmental differences of children and adolescents related to instructional strategies of diverse learners. Includes 30 hours of field experiences. Prerequisites: Admission to Graduate School and SPED Integrated to Merged Alternate Certification Program.
- 5010. INSTRUCTIONAL PLANNING AND DESIGN FOR ALL STUDENTS.** (3-3-1). Principles of instructional planning and design, classroom management and organization, and assessment of the diverse learner. Instruction in developing and writing appropriate IEP/ITP objectives that address content standards and benchmarks is also specifically addressed. Includes field experience component. Prerequisite: Admission to Graduate School and Special Education Integrated-Merged Alternate Certification Program.

- 5020. RESEARCH-BASED METHODS AND READING INSTRUCTION.** (3-3-2). Multiple research-supported methods of teaching a diverse population of students to acquire, store, retrieve, express, and evaluate the outcome of their performance on a learning task while being actively engaged in learning. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5030. CLASSROOM AND BEHAVIOR MANAGEMENT OF ALL STUDENTS.** (3-3-2). Classroom and behavior management strategies that emphasize proactive, preventative approaches to establishing and maintaining appropriate classroom behavior. Includes field experience component. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5040. INTEGRATED-MERGED INSTRUCTIONAL PRACTICES: PRACTITIONER GENERAL-SPECIAL EDUCATION TEACHER.** (3-3-2). The fundamentals of collaboration, teaming, communication, problem solving, co-planning and co-teaching practices will be learned, practiced, and applied in the general education classroom to meet the individual and unique needs of all students. Requires 30 hours of clinical and field-based experiences. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5111. GENERAL-SPECIAL EDUCATION INTERNSHIP IN TEACHING I.** (3-0-6). Full-time teaching position in either a Grades 1-5, Grades 4-8, or Grades 6-12 general education or integrated-merged (mild/moderate) setting in certification content area/grade level in state approved schools under supervision of University and school-based personnel. Prerequisites: EDSP 5000, 5010, 5020, 5030. Co-requisite: Passing scores on all required PRAXIS tests.
- 5121. GENERAL-SPECIAL EDUCATION INTERNSHIP IN TEACHING II.** (3-0-6). Full-time teaching position in either a Grades 1-5, Grades 4-8, or Grades 6-12 general education or integrated-merged (mild/moderate) setting in certification content area/grade level in state approved schools under supervision of University and school-based personnel. Minimum of 90 teaching hours with documentation of at least 20 clock hours per semester of clinical experience in alternate concentration area. Prerequisite: EDSP 5111.
- 5210. SPECIAL EDUCATION PRACTICES, LAW, AND THE EXCEPTIONAL STUDENT.** (3-3-0). Study of the legislation and litigation involved with individuals with disabilities specifically concentrating on those students between the ages of birth – 21 years. Study of historical and current legislation that is used to provide special education services on the federal and state levels.
- 5220. LITERACY-BASED INSTRUCTIONAL PLANNING AND CURRICULUM-BASED ASSESSMENT FOR ELEMENTARY GRADES.** (3-3-0). Designed to provide teachers with the procedures and tools to construct and administer curriculum-based assessments for instructional planning and evaluation of student performance. Principles of instructional planning and design, classroom management and organization, and assessment for the diverse learner. Includes field experience components.
- 5230. LITERACY-BASED METHODS FOR TEACHING EXCEPTIONAL CHILDREN IN ELEMENTARY GRADES.** (3-3-0). Examination of appropriateness of various educational models for exceptional students with diverse needs and characteristics in elementary grades. General methods and materials appropriate for working with students with disabilities at the elementary level. Emphasis placed on approaches to learning and teaching, specific literacy-based teaching and learning strategies and the role of the special educator in the school community. Exploration of the selection, adaptation, and development of instructional materials across curriculum areas, student needs, and school environments.

- 5300. SEMINAR IN TEACHING I.** (3-3-0). Teaching support during internship semester. Candidate commitment and understanding of profession is examined. Study of current trends and issues in special education with attention to the demands of teaching in a diverse society as well as working with paraprofessionals, parents, and other community members. Discussion on teaching strategies, methodologies, materials, and experiences related to the internship experience. Emphasis is placed on professional issues and trends in education.
- 5310. SEMINAR IN TEACHING II.** (3-3-0). Teaching support during internship semester. Candidate commitment and understanding of profession is examined. Study of current trends and issues in special education with attention to the demands of teaching in a diverse society as well as working with paraprofessionals, parents, and other community members. Discussion on teaching strategies, methodologies, materials, and experiences related to the internship experience. Emphasis is placed on professional issues and trends in education.
- 5320. LITERACY-BASED INSTRUCTIONAL PLANNING AND CURRICULUM-BASED ASSESSMENT FOR MIDDLE/SECONDARY GRADES.** (3-3-0). Designed to provide teachers with the procedures and tools used to construct and administer curriculum-based assessments for instructional planning and evaluation of student performance. Principles of instructional planning and design, classroom management and organization, and assessment for the diverse learner. Includes field experience component.
- 5330. LITERACY-BASED METHODS FOR TEACHING EXCEPTIONAL CHILDREN IN MIDDLE/SECONDARY GRADES.** (3-3-0). Examination of appropriateness of various educational models for students with diverse needs and characteristics in middle/secondary grades. Instruction design based on Individual Education Plan (IEP) or Individual Accommodation Plan (IAP) goals and objectives and state/national content standards.
- 5420. INTRODUCTION TO COLLABORATION AND CONSULTATION.** (3-3-0). Designed to support beginning special education practitioners in ways that foster life-long learning and a successful career in teaching. Includes training in skills that promote collaboration with colleagues and the successful inclusion of students with special needs into general education environments when appropriate.

## EDUCATIONAL LEADERSHIP (EDL)

For Graduates Only

- 5100. PUBLIC SCHOOL ORGANIZATION AND ADMINISTRATION.** (3-3-0). National, state and local administration, organization of public education; instructional leadership; administration of special services; pupil personnel administration; financial and business administration; school plant administration; administration of school-community relations.
- 5110. SUPERVISION OF INSTRUCTION.** (3-3-0). Science and techniques of supervision; observation of teaching; demonstration teaching; evaluation of supervision.
- 5140. THE SECONDARY SCHOOL PRINCIPALSHIP.** (3-3-0). Duties and responsibilities of the secondary principal in organization, leadership, administration and supervision; professional growth; relationship to school, teachers, and patrons.
- 5150. SUPERVISION OF STUDENT TEACHING.** (3-3-0). Philosophy, science, and technique of supervising student teachers, observing cooperating teachers; demonstration teaching, evaluating student teaching.

- 5200. INTRODUCTION TO STANDARDS-BASED SCHOOL ADMINISTRATION.** (3-3-0). National, state and local school administration, organization of public education; instructional leadership; administration of special services, pupil personnel administration; financial and business administration; school plant administration; administration of school-community relations.
- 5290. SUPERVISION OF CHILD WELFARE AND ATTENDANCE.** (3-3-0). Principles and practices of census, child welfare, and attendance for the supervisor of child welfare and attendance or visiting teacher.
- 5300. SUPERVISION FOR EVALUATION AND SCHOOL IMPROVEMENT.** (3-3-0). Science and techniques of supervision; observation of teaching; demonstration teaching; evaluation of supervision. Prerequisites: EDL 5200, 5400, 5700.
- 5350. ADMINISTRATION OF THE ELEMENTARY SCHOOL.** (3-3-0). Duties and responsibilities of the elementary school principals in organization, leadership, administration and supervision; principal's professional growth and their relationships to school, teachers, and patrons.
- 5400. THE PRINCIPALSHIP: LEADER OF LEADERS.** (3-3-0). Duties and responsibilities of the elementary and secondary principal in organization, leadership, administration and supervision; principal's professional growth and their relationship to school, teachers, and patrons. Prerequisites: EDL 5200, 5700, EDCI 5020, 5030.
- 5500. FINANCIAL RESOURCES FOR PUBLIC SCHOOLS.** (3-3-0). Fiscal program of the public school; local, state, and federal taxes; budgeting; bond issues, formulas for distribution of school funds. Prerequisites: EDL 5200, 5400.
- 5600. HUMAN RESOURCES FOR PROFESSIONAL DEVELOPMENT.** (3-3-0). Principles and practices of administration in selecting and retaining school personnel. Placement, job analysis and evaluation, salaries and salary schedules, fringe benefits, maintenance of morale. Prerequisites: EDL 5200, 5400, 5700.
- 5700. ETHICS AND SCHOOL LAW FOR SCHOOL ADMINISTRATORS.** (3-3-0). Principles and practices of law and ethics applied to the public school, study of generic school law and study of Louisiana school law.
- 5800. SCHOOL COMMUNITY RELATIONS.** (3-3-0). Principles and practices of public relations in education, development of school and community understanding through interaction, utilization of community and human resources for improvement of public education.
- 6100. SCHOOL FACILITIES AND EQUIPMENT.** (3-3-0). The purpose of this course is to assist professional educators in their role of providing quality facilities for educational programs conducive to a successful and effective learning environment. School Facilities and Equipment is a 'tool oriented' course with practical applications that focuses on management and operations of a school facility.
- 6110. PUBLIC SCHOOL FINANCE.** (3-3-0). Fiscal program of the public school; local, state, and federal taxes; budgeting; bond issues, formulas for distribution of school funds. Prerequisite: 5100.
- 6120. SCHOOL PERSONNEL ADMINISTRATION.** (3-3-0). Principles and practices of administration in selecting and retaining school personnel. Placement, job analysis and evaluation, salaries and salary schedules, fringe benefits, maintenance of morale. Prerequisite: 5100.
- 6130. SCHOOL LAW.** (3-3-0). Principles and practices of law applied to the public school, study of generic school law, and study of Louisiana school law. Prerequisite: 5100.

- 6140. SCHOOL COMMUNITY RELATIONS.** (3-3-0). Principles and practices of public relations in education, development of school and community understanding through interaction, utilization of community and human resources for improvement of public education. Prerequisite: 5100.
- 6150. SEMINAR IN EDUCATION ADMINISTRATION.** (3-3-0). This course is designed to introduce current or prospective district school administrators to a broad range of topics that are currently at the forefront of discussion and decision-making in educational organizations. Special emphasis will be given to current problems and issues facing school districts and to topics that will serve to provide information and direction in order for candidates to analyze, synthesize, and critically judge such situations. Prerequisite: Permission of instructor.
- 6180. INTERNSHIP IN SCHOOL ADMINISTRATION/SUPERVISION.** (6-0-18). The individual according to area of specialization is provided practical experience by being assigned to a principal, supervisor, or superintendent, under supervision of a staff member from the University. The internship occurs over a significant portion of the school calendar, typically six months. Prerequisite: 5100, 6130, 5140 or 5350 or 5110 or written consent of department head and selected administrator; Education 5010.
- 6200. INTERNSHIP IN SCHOOL ADMINISTRATION.** (3-1-3). The candidate is provided practical experience by being assigned to a building level administrator with whom to work in the various duties of that position, under the supervision of a faculty member from the University. Candidates are required to be enrolled for one semester only. Prerequisites: Approval of advisor, completion of pre-internship portfolio, and completion of all other required EDL courses.

## EDUCATIONAL PSYCHOLOGY (EPSY)

For Undergraduates Only

- 2020. INTRODUCTION TO CHILD AND ADOLESCENT PSYCHOLOGY.** (3-3-0). Theoretical and practical implications of developmental processes in children and adolescents including physical, cognitive, and social-emotional domains; exceptionalities and diverse populations discussed with emphasis on typical adjustment.
- 3000. CLASSROOM ASSESSMENT.** (3-3-1). Fundamental concepts of assessment literacy; matching cognitive, psycho-motor, and affective learning targets with assessments; designing formative and summative assessments; creating selected-response, constructed-response, and performance assessments; designing rubrics; developing individual and collaborative analytical skills based on student performance data, including evaluations of validity, reliability, and fairness; making data-driven decisions for instruction and student feedback; assessment strategies for diverse learners, including English language learners and students with exceptionalities. Field experience component required. Prerequisites: Admission to candidacy for a degree in teacher education.

For Graduates Only

- 5370. BEHAVIORAL MANAGEMENT AND MODIFICATION.** (3-2-1). Principles and application of behavioral assessment and modification techniques to learning, behavior, and emotional problems in the school setting. Requires 30 hours of clinical and field-based experiences.

- 5400. INTRODUCTORY STATISTICS FOR EDUCATION.** (3-3-0). Use statistical procedures as applied to educational research and measurement. Calculate descriptive statistics, including measures of central tendency and variability. Calculate inferential statistics, including tests of difference, correlation, and analysis of variance.
- 5460. DYNAMICS OF HUMAN GROWTH AND DEVELOPMENT.** (3-3-0). Principles of developmental psychology; integrated nature of growth and lifespan development; dynamics of human development in the social context; topics of interest to professionals working with individuals or groups on a regular basis.
- 5470. SEMINAR IN EDUCATIONAL PSYCHOLOGY.** (1 to 3-1 to 3-0). May be repeated for credit. Reading and research on topics and issues in educational psychology. Prerequisite: 5410, 5460, Education 5010, or consent of the instructor.
- 5480. CLASSROOM ASSESSMENT OF DIVERSE LEARNERS AND LITERACY DEVELOPMENT.** (3-2-1). Theoretical perspectives of child and adolescent development; current research of physical, cognitive, and psychosocial development; milestones in literacy development; intellectual and learning disabilities; emotional/behavioral and autism spectrum disorders; assessment strategies for diverse learners; cognitive, psychomotor, and affective learning targets; formative and summative assessments; designing selected-response, constructed-response, and performance assessments. Includes field experience component. Prerequisite: Admission to PREP program. Co-requisite: EDUC 5630, EDUC 5640.
- 5490. EDUCATIONAL PSYCHOLOGY APPLIED TO TEACHING.** (3-2-1). Application of theoretical practices and current research related to teaching, classroom organization/management and assessment; dynamics of child/adolescent development/psychology related to instructional strategies and the diverse learner. Includes field experience component. Prerequisites: Admission to graduate school and admission to an alternate post-baccalaureate certification program.
- 5520. ANALYSIS OF THE INDIVIDUAL.** (3-2-1). Techniques and materials available for study of the individual; interpretation and synthesis of individual inventory data and their application to the counseling process.

## EDUCATIONAL TECHNOLOGY (ETEC)

For Undergraduates Only

- 3010. TECHNOLOGY INTEGRATION FOR P-12 DIGITAL AGE LEARNING.** (3-3-0). Exploration of digital age technology tools to facilitate student learning and creativity through critical thinking, problem-solving, information fluency, digital citizenship, and collaboration. Prerequisites: Admission to candidacy for a degree in teacher education. Con-current enrollment in EDUC 3140 and EPSY 3000.
- 4810. TECHNOLOGY APPLICATIONS FOR THE DIGITAL AGE.** (3-3-0). Exploration of digital age technology tools to promote productivity and creativity through critical thinking, problem-solving, information fluency, digital citizenship, and collaboration.
- 4820. EVALUATION AND APPLICATION OF 21<sup>st</sup> CENTURY TECHNOLOGY.** (3-1-4). Investigation of 21<sup>st</sup> Century technologies and how those technologies can promote greater personal productivity and professional learning in modern workplaces. Topics include but are not limited to Web 2.0 tools, Cloud computing, virtual collaboration and learning, mobile apps, and social media.

- 4830. INTRODUCTION TO EDUCATIONAL PROGRAMMING.** (3-3-0). An overview of popular educational programming languages such as Logo, BASIC, and Pascal will be used to teach program design, syntax, editing, and documentation. Additional topics include instructional strategies and the development of programming activities for the classroom.
- 4840. EDUCATIONAL TELECOMMUNICATIONS, NETWORKS, AND THE INTERNET.** (3-3-0). The planning, development, and implementation of educational networks, Internet, and telecommunications.
- 4850. TECHNOLOGY TO SUPPORT STANDARDS-BASED TEACHING AND LEARNING.** (3-3-0). Applications of information technology networking to support preservice and in-service instruction in standards-based curricular areas for elementary, middle, and secondary school personnel.

For Graduates Only

- 5000. SPECIAL TOPICS IN EDUCATIONAL TECHNOLOGY** (3-3-0). Study of current trends, issues, and/or tools in educational technology.
- 5610. TECHNOLOGY INTEGRATION FOR P-12 DIGITAL AGE LEARNING.** (3-3-0). Investigation of 21<sup>st</sup> Century technologies and how those technologies can promote greater personal productivity and professional learning in modern workplaces. Topics include but are not limited to Web 2.0 tools, Cloud computing, virtual collaboration and learning, mobile apps, and social media.
- 5620. EVALUATION AND APPLICATION OF TECHNOLOGY USE FOR THE CLASSROOM TEACHER.** (3-3-0). A standards-based focus on the use and evaluation of popular computer technology in education and teaching; hardware and software evaluation and use; concepts and terminology; input and output devices; systems design; systems support; computer assisted/managed instruction. Prerequisites: 4810 or 5610; teaching experience; or consent of instructor.
- 5630. MULTI-MEDIA PROGRAMMING FOR THE CLASSROOM TEACHER.** (3-3-0). An examination of methods and strategies for using educational programming using web-based and HTML tools to teach program design, editing, and documentation. Additional topics include development of programming activities for the classroom and their application.
- 5650. INSTRUCTIONAL TOOLS AND STRATEGIES FOR STANDARDS-BASED TECHNOLOGY SUPPORT FOR THE CLASSROOM TEACHER.** (3-3-0). The design and development of digital learning activities supporting standards-based teaching and learning for the classroom. Prerequisites: 4810 or 5610; consent of instructor.
- 5700. TECHNOLOGY LEADERSHIP IN SCHOOLS.** (3-3-0). Examination of technology in P-12 schools and how technology serves as an agent of change in leadership, learning, communication, innovation, and digital citizenship.
- 5710. PROFESSIONAL DEVELOPMENT FOR K-12 TECHNOLOGY INTEGRATION.** (3-3-0). Practical applications and methods of using technology to enhance the classroom learning environment.
- 5730. PRODUCTION OF INSTRUCTIONAL AUDIO AND VIDEO.** (3-3-0). This course provides a systematic approach to designing and production of instructional video in the classroom and workplace. Emphasis will be placed on theory and practice in production of instructional video for Social Network Site (SNS) and interactive application that support meaningful learning/training.

- 5740. TELECOMMUNICATIONS NETWORKING AND THE INTERNET FOR THE CLASSROOM TEACHER.** (3-3-0). Understanding and using resources and the World Wide Web including planning, development, and implementation of educational networks, Internet, and telecommunications for the classroom.
- 5750. DESIGN AND PRODUCT OF INSTRUCTIONAL MATERIALS.** (3-3-0). A review of instructional design and exercises in the development of video, computer-assisted instruction, and multimedia projects.
- 5760. DESIGN AND DEVELOPMENT OF ONLINE AND MULTIMEDIA INSTRUCTIONAL UNITS.** (3-3-0). Exploration and utilization of multimedia and online tools to support learning and engage diverse learners.
- 5770. ADVANCED INSTRUCTIONAL DESIGN AND TELECOMMUNICATIONS FOR DISTANCE EDUCATION AND E-LEARNING.** (3-3-0). Emerging telecommunications and effective instructional design strategies that support instructional technology, e-learning, and distance education.
- 5780. TECHNOLOGY PLANNING AND ADMINISTRATION.** (3-3-0). Overview of strategic planning for P-12 schools and construction of comprehensive technology plan to include financing, implementation, and evaluation of technology plan in P-12 school setting.
- 5790. EDUCATIONAL TECHNOLOGY, RESEARCH, EVALUATION, AND ASSESSMENT.** (3-3-0). Application of research-based evaluation and assessment models, including, but not limited to, program evaluation and student learning assessment models to determine the effectiveness of 21st Century technology-rich learning environments.
- 5800. MULTIMEDIA DESIGN AND DEVELOPMENT FOR INTERACTIVE LEARNING.** (3-3-0). Models and principles to design and develop instructional media to support e-learning and distance education. Emphasis on developing media to support meaningful, interactive learning environments. Topics include media design principles, media development process and hands-on activities with current media tools. Prerequisite: ETEC 5770 or permission of instructor.
- 5810. INTRODUCTION TO HUMAN PERFORMANCE TECHNOLOGY.** (3-3-0). This course provides an introduction to the field of human performance technology (HPT). Weekly discussion topics include basic concepts of human performance technology, principles and models of human performance system, performance analysis, intervention selection, intervention implementation, and intervention evaluation.
- 6000. RESTRUCTURING EDUCATION THROUGH TECHNOLOGY.** (3-3-0). Overview of trends in technology, schools and training programs of the future, and human- technology interface. Emphasis on leadership and effective implementation of educational change through technology.
- 6010. INTERNSHIP IN ONLINE TEACHING AND EDUCATIONAL TECHNOLOGY LEADERSHIP.** (3-3-0). Intensive directed working relationship with a field supervisor/ professional online instructor identified as a leader in incorporating educational technology and online teaching in classroom and online courses. This three credit hour internship course provides supervised practice in applying and demonstrating students' knowledge and skills in incorporating educational technology and online teaching skills in an appropriate classroom/online learning setting. The exact nature of the internship will be customized individually with faculty supervision.
- 6030. COGNITION AND TECHNOLOGY.** (3-3-0). Understanding human cognition change; implications for theory, practice, and research in educational technology.

- 6040. STRATEGIES AND TECHNOLOGIES FOR E-LEARNING AND DISTANCE EDUCATION.** (3-3-0). Blended learning and e-learning development, delivery, and management, within the context of distance learning programs. Current definitions and research, teaching strategies and materials, and assessment of student learning outcomes. Delivery systems and management strategies are analyzed in the context of most current technologies and practices.
- 6450. SEMINAR IN CURRENT RESEARCH IN TECHNOLOGY.** (3-3-0). Issues, research, and movements affecting contemporary practice in instructional technology.

## ELECTRONICS ENGINEERING TECHNOLOGY (EET)

For Undergraduates Only

- 1300. ELECTRICAL PRINCIPLES I.** (3-3-0). Principles governing current, voltage, resistance and power in DC circuits. Series, parallel, and series-parallel DC circuits. Prerequisite: Credit for or registration in 1301 and MATH 1020 or 1820.
- 1301. ELECTRICAL PRINCIPLES I LABORATORY.** (1-0-2). Electrical principles lab dealing with DC circuits. Measurement of DC voltages and currents. Characteristics and measurement of resistances. Application of Ohm's law, energy, and power. Connection, measurement and application of series, parallel, and series-parallel DC circuits. Application of circuit theorems. Prerequisite: Credit for or registration in 1300.
- 1311. ELECTRONIC FABRICATION LABORATORY.** (1-0-2). Fabrication techniques for analog and digital circuits. Device symbols and markings, soldering, antistatic techniques, measurement, testing and troubleshooting.
- 1320. ELECTRICAL PRINCIPLES II.** (3-3-0). Alternating current. Capacitors, inductors, and impedance. AC circuit analysis theorems and techniques. Prerequisite: 1300-1301, credit for or registration in 1321 and MATH 1090 or 1830.
- 1321. ELECTRICAL PRINCIPLES II LABORATORY.** (1-0-2). Electrical principles lab dealing primarily with AC circuits. Measurement of AC and DC voltages, pulse width and duty cycle using oscilloscope. Measurement and application of capacitors, inductors, and transformers. Series RC, RL and RLC circuits connection and characteristics. Parallel RC, RL and RLC circuits connection and characteristics. Series and parallel resonances. Prerequisite: Credit for or registration in 1320.
- 1330. DIGITAL ELECTRONICS I.** (3-3-0). Logic function, logic gates, number systems and conversions, Boolean algebra, logic simplification, combinational circuits, programmable logic devices, and flip-flops. Analysis and design of basic digital logic circuits. Prerequisites: 1300-1301, credit for or registration in 1331.
- 1331. DIGITAL ELECTRONICS I LABORATORY.** (1-0-2). Number systems, logical gates, Boolean algebra, implementation of Boolean function by logic gates, simplification of Boolean function, Karnaugh map, design and optimization of digital circuits. Prerequisite: Credit for or registration in 1330.
- 1350. ELECTRICAL CIRCUITS (AC/DC).** (3-2-2). Direct Currents (DC). Laws, principles, and theorems governing current, voltage, resistance, and power in dc circuits, i.e., series, parallel and series - parallel circuits. Alternating current (AC), capacitors, inductors, and impedance. Hands-on laboratory experiments and projects. Prerequisite: Credit for or registration in MATH 1020 or 1820.



- 1370. BASIC ANALOG AND DIGITAL ELECTRONICS.** (3-2-2). Logic functions, logic gates, number systems and conversions, Boolean algebra, logic simplification, combinational logic circuits, functions of combinational logic, Principles of semiconductor devices and circuits. Analysis of diodes and bipolar junction transistors in switching and amplifier circuits. Hands-on laboratory experiments and projects. Prerequisites: 1350, and credit for or registration in MATH 1090 or 1830.
- 1380. ALTERNATIVE ENERGY SYSTEMS.** (3-3-0). A study of alternative energy ("green") sources and resources: the solar resource, solar photovoltaic technologies, solar thermal applications, wind energy systems, biomass energy systems, transportation energy technologies, and ocean wave energy. A comparative study of the United States and the developing world.
- 2200. POWER SYSTEMS AND PROTECTION.** (3-3-0). Single phase and three phase circuits, generation of three phase electric power, transmission and distribution of electric power, study of power system faults, and application of relays for power system protection.
- 2210. PROGRAMMABLE LOGIC CONTROLLERS** (3-3-0). Safety, Relay logic, Introduction to programmable logic controllers covering programming and maintaining PLC systems, programming functions, input/output modules, and industrial communication networks. Prerequisite: 1350, 1370 and credit for or registration in EET 2211.
- 2211. PROGRAMMABLE LOGIC CONTROLLERS LABORATORY** (1-0-2). Laboratory course to accompany EET 2210. Topics include safety issues, learning of an Industrial PLC trainer and RSLogix Micro, input/output modules, relay type devices, timers, counters, data manipulators, and programming with an emphasis on industry applications. Prerequisites: EET 1350, 1370 and credit for or registration in EET 2210.
- 2320. BASIC ELECTRONICS.** (3-3-0). Principles of semiconductor devices and circuits. Design and analysis of diode and bipolar junction transistor in switching and amplifier circuits. Prerequisite: 1320-1321, credit for or registration in 2321.
- 2321. BASIC ELECTRONICS LABORATORY.** (1-0-2). Characteristics of diodes and BJT transistors, rectification circuits, BJT bias circuits, BJT amplifiers and switching circuits, FET characteristics of FE, FET amplifiers, power amplifiers. Prerequisite: Credit for or registration in 2320.
- 2330. ELECTRIC MOTOR CONTROLS.** (3-3-0). Theory of operation of electric motors with emphasis placed on ac motors in terms of circuit diagrams and safety. Basics of industrial motor control, sensors and control devices, electronic control of direct-current (DC) motors, electronic control of alternating-current (AC) motors, manual contactors, magnetic motor starters, and installation of control devices and maintenance procedures. Prerequisite: EET 1320-1321 or consent of instructor.
- 2331. ELECTRIC MOTOR CONTROLS LABORATORY.** (1-0-2). Laboratory course to accompany EET 2330. Different types of motor controls as they are applied to industrial circuits. Topics include safety issues, methods of controlling, protecting and specifying motors (both ac and dc) and their controls. Components covered will include starters, sensors, timers, speed drives, and programmable logic controllers with emphasis on industry applications. Prerequisite: EET 1320 and EET 1321. Credit for or registration in 2330.
- 2340. MICROCOMPUTERS.** (3-3-0). Computer overview with emphasis on hardware. The basic components of a microcomputer system, microprocessor basics, memory, secondary storage, input and output devices, operating systems, networks, and security. Prerequisite: EET 1330-1331 or permission of the instructor.
- 2350. ADVANCED ELECTRONICS.** (3-3-0). Advanced semiconductor devices. Power amplifiers, Class A, B, and C amps, and the emitter follower. JFET and MOSFET devices and circuits, differential and operational amplifiers. Prerequisite: 2320-2321, credit for or registration in 2351.
- 2351. ADVANCED ELECTRONICS LABORATORY.** (1-0-2). Power amplifiers, FET characteristics, FET bias circuits, FET amplifiers, operational amplifiers characteristics and applications, integrator circuits, oscillator circuits. Prerequisite: Credit for or registration in 2350.
- 2360. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS.** (3-3-0). Principles of magnetism and electromagnetic circuits. Transformer principles. AC and DC generators and motors-single phase, three phase, and synchronous machines. Prerequisite: 1320-1321, credit for or registration in 2361.
- 2361. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS LABORATORY.** (1-0-2). Safety issues of motors, generators and transformers. The characteristics of different types of DC motors. The characteristics of different types of single phase and three phase AC motors. Operation, synchronization, and phase sequence of three phase generators. Single and three phase transformers operations, connections, and applications. Prerequisite: Credit for or registration in 2360.
- 2920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems in engineering technology. Individual or small group work. Prerequisite: Credit for or registration in 2320-2321 and consent of instructor.
- 3310. DIGITAL ELECTRONICS II.** (3-3-0). Programming and applications of programmable logic devices, sequential networks, state machine analysis and design, memories, integrated circuit technologies. Introduction to micro-processors and interfacing. Prerequisite: 1330-1331, credit for or registration in 3311.
- 3311. DIGITAL ELECTRONICS II LABORATORY.** (1-0-2). Characteristics, functions and operations of digital devices and logic circuits, such as flip-flops, counters, shift registers, memory, etc., and their applications in digital circuits and systems. Prerequisite: Credit for or registration in 3310.
- 3330. DIGITAL SIGNAL PROCESSING.** (3-3-0). Overview of digital equipment networking and telecommunications. Digital signal processing. Digital image processing systems. Prerequisites: Credit for or registration in EET 3310-3311 and 3331 or the consent of the instructor.
- 3331. DIGITAL SIGNAL PROCESSING LABORATORY.** (1-0-2). Laboratory course to accompany EET 3330. DSP software and programming, sinc function, digital filters and Z-transform, statistical analysis, convolution, image processing, Fourier and fast Fourier transforms, and digital signal processors. Prerequisite: Credit for or registration in 3330.
- 3360. INSTRUMENTATION AND CONTROL.** (3-3-0). Transducers, signal conditioning, open and closed loop control. Proportional, derivative, and integral control modes. Analog-to-digital and digital-to-analog conversion. Analysis and design of control systems. site: Prerequisite: 1320-1321, credit for or registration in 3361; MATH 2010 or credit for or registration in MATH 2130.
- 3361. INSTRUMENTATION AND CONTROL LABORATORY.** (1-0-2). Laplace transform of signals, transfer functions, block diagrams, stability analysis, time specifications, and controller designs. Applications of MATLAB and Simulink. Prerequisite: Credit for or registration in 3360.
- 4300. MICROPROCESSOR FUNDAMENTALS.** (3-3-0). Micro-processor architecture, programming, and interfacing. Topics include addressing modes, instruction set, I/O operations, interrupts, timing, memory, peripheral interface devices, microprocessor system design, and an overview of advanced microprocessors. Prerequisite: 3310-3311, credit for or registration in 4301.

- 4301. MICROPROCESSOR FUNDAMENTALS LABORATORY.** (1-0-2). Programming of microcontrollers in Assembly and C/C++ language. Program development tools and interfacing microcontrollers to PC and electronic circuits. Controlling electrical and mechanical systems with microcontrollers. Prerequisite: Credit for or registration in 4300.
- 4310. COMMUNICATION ELECTRONICS.** (3-3-0). Principles of filters and oscillation. Active and passive filters and oscillator circuits. Principles of AM, FM, and PM transmitters, and receivers. Phase Locked Loops. Prerequisite: 2350-2351, credit for or registration in 4311.
- 4311. COMMUNICATION ELECTRONICS LABORATORY.** (1-0-2). Practical aspects of passive RC and LC filters, and active filters, oscillator circuits and their applications, operation and characteristics analysis of linear integrated circuit (LIC) function generator, voltage control oscillator, phase locked loop, AM modulator, characteristics of class C AM amplifier, AM DSBFC transistor modulators, AM peak detector, FM modulator, and demodulator. Prerequisite: Credit for or registration in 4310.
- 4350. AUTOMATION AND CONTROL.** (3-3-0). Control of discrete processes, programmable logic controllers, continuous process controllers, robotics architecture and application, stability analysis of a process. Prerequisite: 3360-3361, credit for or registration in 4351 or consent of instructor.
- 4351. AUTOMATION AND CONTROL LABORATORY.** (1-0-2). Familiarization with AMATROL Programmable Logic Controllers (PLCs) systems Trainer. Introduction to programmable controllers. PLC program operators and programming. Timer and counter instructions and program control instructions. Characteristics of industrial cell with PLCs and Robotics. Prerequisite: Credit for or registration in 4350. Consent of instructor.
- 4360. WIRELESS COMMUNICATIONS SYSTEMS.** (3-3-0). Overview of communications systems with emphasis on wireless communications. Cellular and PCS communication systems, microwave and satellite systems, LMDS, wireless LAN, antennas and advanced topics in fiber optic communication systems. Prerequisites: Credit for 4310-4311, 4390, credit for or registration in 4361.
- 4361. WIRELESS COMMUNICATIONS SYSTEMS LABORATORY.** (1-0-2). Characteristics of time domain reflectometry (TDR) and spectrum analyzer, fiber optic links, wireless LAN using ethernet modems, microwave and satellite communications, cellular communications with cell site, base station and frequency reuse plan. Prerequisite: Credit for or registration in 4360.
- 4390. DIGITAL COMMUNICATIONS.** (3-3-1). Digital and data communications and transmission, protocols and standards, local and wide-area networks, multiplexing, satellite and fiber optic communications, and digital signal processing. Prerequisites: 3310-3311, 4310-4311, or consent of instructor.
- 4920. SPECIAL PROBLEMS ADVANCED.** (1 to 3-0-0). Selection of advanced special problems in engineering technology. Individual or small group work. Prerequisite: Credit for or registration in 3340-3341 and consent of instructor.
- 4940. PROJECT DESIGN I.** (3-3-0). Principles of project management and engineering economics. Development of proposals for senior design project. Prerequisites: Credit for or registration in English 3230, 3190 or IET 3720 and senior status or consent of instructor.
- 4950. PROJECT DESIGN II.** (3-0-0). This is a capstone course. Students will independently design (including specifications), construct, and test an approved electronics project within budget and on schedule. Students will prepare a written project report and give an oral presentation. Prerequisites: 4940.

## ENGINEERING TECHNOLOGY (ET)

For Graduates Only,1

- 5010. PROJECT ENGINEERING.** (3-3-0). Fundamental concepts of project engineering/management, project planning, resource management, tools and techniques in project management to assess budget, establish schedule and meet performance matrices.
- 5020. ENGINEERING STATISTICS** (3-3-0). Basic probability, continuous and discrete probability distributions, hypothesis testing, regression analysis, Analysis of Variance, and non-parametric statistics.
- 5030. ENGINEERING ECONOMIC ANALYSIS.** (3-3-0). Economic worth of a business entity constrained economic optimization, economic risk and uncertainty, foundations of utility functions. Time value of money, capital investment, risk analysis and investment decision.
- 5040. ENVIRONMENT OF MANUFACTURING ORGANIZATION.** (3-3-0). Provides necessary concepts and principles for technologist, engineers or other professionals to successfully transform into managers in technology driven industries or business environments.
- 5050. COST ENGINEERING.** (3-3-0). Principles of cost and budget estimation and techniques, identifying and measuring cost elements, managing cost over the life cycle of product and project.
- 5060. OPERATIONS MANAGEMENT.** (3-3-0). Operations strategy, process design and reengineering, forecasting, inventory management, scheduling and quality management.
- 5070. MANAGEMENT INFORMATION SYSTEMS.** (3-3-0). Design and implementation of Management Information Systems (MIS), organizational, managerial, and economic aspects of MIS. Use of information system in problem solving and decision making process.
- 5080. LAW AND SPECIFICATION FOR MANUFACTURING MANAGERS.** (3-3-0). Legal rules and ethical constraints in business decisions and commercial transactions, contract law, property and sales contracts, any commercial document, agency law, and ethics.
- 5090. LEADERSHIP AND TECHNICAL MANAGERS.** (3-3-0). Leadership theories and myths, qualities of an effective leader, developing leadership potential.
- 6000. PRODUCTION PLANNING AND SCHEDULING.** (3-3-0). Planning and control of production; operations analysis; routing, scheduling, dispatching; production charts; inventory control; accumulation of material requirements; use of critical path techniques.
- 6010. FINANCE AND ACCOUNTING FOR ENGINEERING MANAGERS.** (3-3-0). Development, analysis and use of accounting reports, financial report, knowledge of earning, assets, liability and equity, accounts receivables, inventory, etc.
- 6020. DECISION ANALYSIS.** (3-3-0). Decision models building, analysis, decision tree, decision under uncertainty, risk analysis, multi criteria decision making.
- 6030. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Supply chain management principles, supply chain networks, relationship of supply chain in product life cycle, developing and implementing supply chains.
- 6040. ENGINEERING MANAGEMENT.** (3-3-0). Applying engineering processes to management and organizational issues. Provides knowledge, capabilities, and understanding of engineering and technology management topics emphasizing language, principles, and environment of real business organization.

- 6050. ADVANCED CONCEPTS IN SAFETY, ERGONOMICS AND DESIGN.** (3-3-0). Principles and practices of accident prevention; safety and health program operations in industrial facilities; employee and management responsibilities; Occupational Safety and Health Act and Regulations. Overview of the human body, its systems and how it interacts with environmental stressors; designing to fit body movements; office (computer) workstation design considerations; designing for special populations; handling loads.
- 6060. INDUSTRIAL ROBOTICS.** (3-3-0). Concepts, principles, and relationships of automated assembly devices, computer-aided manufacturing, industrial robots and its working principles, programming of robots.
- 6070. ADVANCED QUALITY OPERATIONS.** (3-3-0). Methods and procedures employed in industrial quality management, theories of measurement, error, prediction, sampling, tests of significance and models. Prerequisite: ET 5020.

## ENGLISH (ENGL)

For Undergraduates Only

Placement in Freshman English is based on ACT scores.

The sophomore course(s) in English (ENGL 2110 or equivalent) required in any curriculum must be completed before entry into any advanced (3000- or 4000-level) English course.

Students must earn a "C" or better in ENGL 1010, 1020, and the sophomore literature course(s) in order to be eligible to enroll in advanced-level ENGL courses.

Students enrolled in ENGL 1011 must earn a "C" or better to complete the course.

- <sup>2</sup>1010. COMPOSITION AND RHETORIC I.** (3-3-0). The short paper; rhetoric, with emphasis on writing.
- <sup>3</sup>1011. COMPOSITION AND RHETORIC I ENRICHMENT.** (1-0-1). This course offers supplemental instruction in core writing concepts for students as appropriate per ACT, SAT, or placement test. It specifically addresses the following areas: standard language conventions, grammar and sentence structure, reading and writing basics, and it gives students additional practice in constructing essays using various strategies. This course may not be used to satisfy requirements for any degree. Prerequisite: Placement based on ACT, SAT, or results of English Placement Exam. Corequisite: 1010.
- <sup>2</sup>1020. COMPOSITION AND RHETORIC II.** (3-3-0). Writing the longer paper; diction, style, analysis and interpretation of collateral readings leading to the composition of the research paper. Prerequisite: ENGL 1010 with a grade of "C" or better or equivalent.
- <sup>2</sup>2070. WORLD LITERATURE SURVEY.** (3-3-0). This course focuses on literary works produced by world authors, including literature in translation; exclusive of English and American literature. Prerequisite: ENGL 1020 with a grade of "C" or better or equivalent.
- <sup>2</sup>2110. INTRODUCTION TO LITERATURE.** (3-3-0). This course introduces students to literature in its various forms and genres and has an extensive writing component. Prerequisite: "C" or better in both ENGL 1010 and 1020 or the equivalent.
- <sup>2</sup>2120. INTRODUCTION TO CREATIVE WRITING.** (3-3-0). A multi-genre introduction to creative writing, with particular emphasis on process, exploration, and curiosity. Genres explored with include, but are not limited to: poetry, fiction, and creative nonfiction. Prerequisite: ENGL 2070 or 2110. Student must have either already taken 2070 or 2110, or be registered for 2070 or 2110 concurrently with 2120.
- <sup>2</sup>2510. ARGUMENTATIVE WRITING.** (3-3-0). Study of classical and contemporary argumentative techniques and strategies. Practice in writing and researching different types of arguments. Prerequisite: 1020.
- <sup>2</sup>2610. ANALYTICAL WRITING.** (3-3-0). Study and practice in rhetorical analysis, causal analysis, and researched writing. Focused exercises in critical reading and writing. Prerequisite 1020.
- <sup>2</sup>2700. INTRODUCTION TO GENDER AND SEX STUDIES.** (3-3-0). Introduction to the past and ongoing development of gender and sexuality studies. The course examines the relationships between gender, sexuality, and additional categories such as race, ethnicity, class, and ability. Prerequisite: ENGL 1020.
- <sup>1</sup>3000. THE ORIGINS OF CHILDREN'S LITERATURE.** (3-3-0). Introductory literature course will present an overview of the history of children's literature and introduce students to children's literature as a field of critical literary study. Students will read a wide range of traditional children's literature and develop an understanding of the key developments in children's literature and the critical debates concerning the social roles and aesthetic forms of children's literature that will include historical, psychoanalytical, and folklore traditions.
- <sup>1</sup>3010. TEACHING YOUNG ADULT LITERATURE.** (3-3-0). This course introduces prospective teachers, librarians, and other educators to the use of contemporary adolescent literature across the curriculum. Multicultural and global selection, critical evaluation of the literature, issues of censorship, reader response theory, media connections, and reading/writing strategies for teaching young adult readers will receive major emphasis. Prerequisite: 2000 level literature.
- <sup>1</sup>3030. WORDS AND PICTURES: CREATING GRAPHIC LITERATURE.** (3-3-0). This course will create a cross-curriculum learning environment for students interested in both the visual and verbal elements of creating texts. Class discussions will introduce various traditions that combine writing and illustration, which will build toward the production of individual and collaborative creative work. Prerequisite: ENGL 2070 or 2110.
- <sup>1</sup>3050. CREATIVE NONFICTION I.** (3-3-0). Dedicated study of the forms and techniques of creative nonfiction writing with practice composing and revising work in multiple modes and forms. Prerequisite: ENGL 2120 or instructor approval.
- <sup>1</sup>3060. THE POETRY COLLECTION: READING AND WRITING POEMS IN SEQUENCE.** (3-3-0). This is an elective course for students interested in exploring the formal, generic, and aesthetic considerations related to the writing and reading of poetry collections. The course combines literary study, creative writing, and discussions on publishing. Prerequisite: ENGL 3080 or instructor approval.
- <sup>1</sup>3080. POETRY I.** (3-3-0). A dedicated study of the major forms and conventions of contemporary American poetry with practice in composing, revising, and workshopping original poems. (Cannot be substituted for core undergraduate English curriculum requirements.) Prerequisite: ENGL 2120 or instructor approval.
- <sup>1</sup>3100. SURVEY OF AMERICAN LITERATURE I: BEGINNINGS TO 1865.** (3-3-0). A survey of American literature from its beginnings to 1865.
- 3130. WRITING EPIC POETRY.** (3-3-0). This class serves as an introduction to epic poetry that culminates in the students writing a piece of epic poetry in three parts. Students will read examples of epic poetry, including the works of Dante, the Epic of Gilgamesh, and some of the sagas of the Vikings, among others. Students will also discuss the many possibilities and limitations of this genre. Prerequisite: ENGL 2120, or Instructor permission.

- <sup>1</sup>3150. SURVEY OF AMERICAN LITERATURE II: 1865 TO PRESENT.** (3-3-0). A survey of American literature from 1865 to present.
- <sup>1</sup>3160. SURVEY OF BRITISH LITERATURE I: BEGINNINGS TO 1800.** (3-3-0). Survey of British literature from its beginnings to the end of the 18th century.
- <sup>1</sup>3170. SURVEY OF BRITISH LITERATURE II: 1800 TO PRESENT.** (3-3-0). A survey of British literature from 1800 to the present.
- <sup>1</sup>3180. FICTION I.** (3-3-0). A dedicated study of the major forms and conventions of contemporary fiction with practice in composing, revising, and workshoping new fiction in multiple modes and forms. Prerequisite: ENGL 2120 or instructor approval.
- <sup>1</sup>3190. FOUNDATIONS OF ENGLISH GRAMMAR.** (3-3-0). The course covers the fundamental principles of the grammatical structure of formal written Standard American English. Topics include “What is ‘Standard’ English?; parts of speech; the lexicon; clauses and phrases; the simple sentence; coordination and subordination; issues in the learning and teaching of grammar. Prerequisite: English 1020.
- <sup>1</sup>3200. ADVANCED GRAMMAR.** (3-3-0). This course studies the relationship between grammar, meaning, and the rhetorical situation. Students will learn to identify and analyze the effects of grammatical structure on the expression of meaning in texts and practice these skills in their own writing. Practical applications will be explored in various fields, including literature, film, linguistics, communication, and English education. Prerequisite: English 3190 or instructor approval.
- <sup>1</sup>3210. ADVANCED COMPOSITION.** (3-3-0). Forms of composition. Reading and analysis of non-fiction.
- <sup>1</sup>3230. TECHNICAL COMPOSITION.** (3-3-0). Form and techniques of writing for science, industry, and related fields.
- 3240. INTRODUCTION TO SECOND LANGUAGE TEACHING.** (3-3-0). An introduction to the basic theories, guiding principles, and classroom practices of teaching English to non-native speakers of the language in the 21st century. Students will study current theories of second language learning and teaching, the unique challenges of second language learning and teaching, course and lesson planning, teaching techniques, and methods for assessing language proficiency. As a final project, the student will develop a 15-minute lesson to demonstrate mastery of the ENGL 3240 course material.
- <sup>1</sup>3360. WRITING AND ILLUSTRATING LITERATURE FOR CHILDREN: THE ART OF STORYTELLING.** (3-3-0). An interdisciplinary course that will concentrate on the history, writing, and illustrating of children’s literature. This class will focus on the impact of this genre and the responsibility of the author to engage with their audience, as well as the lasting impact of literature on children. Students will write and illustrate throughout the term and leave the class with a practical understanding of what choices go into creating children’s literature. Prerequisite: ENGL 2070/2110, or by instructor permission.
- <sup>1</sup>3370. GRAPHIC LITERATURE: READING WRITING, AND ILLUSTRATING COMICS AND GRAPHIC NOVELS.** (3-3-0). An interdisciplinary course that will focus on the history, the writing, and the illustrating of comics and graphic novels. This course will focus on the legitimacy and complexity of comics and graphic novels as a genre and their importance in the literary arena before moving into writing and illustrating as a creative writer within the genre. Students will read write and engage in conversation around what it means to be a comic/graphic novelist and what the genre means to a vastly changing literary landscape. Students will collaborate in different artistic styles in order to achieve a full understanding of the artistic possibilities of the genre. Prerequisite: ENGL 2070/2110, or by instructor permission.
- <sup>1</sup>3500. INTRODUCTION TO FILM.** (3-3-0). This course will provide an introduction to film studies through the analysis of films from across the world and across time. Prerequisite: 1020.
- <sup>1</sup>3510. FILM THEORY.** (3-3-0). This course investigates the theoretical paradigms that engage the study of film. Through readings of theory and viewings of films, the student will learn how to apply film theory to a number of genres, styles and films from the last century. Prerequisite: ENGL 1020 or permission of instructor.
- <sup>1</sup>3520. HISTORY OF FILM.** (3-3-0). This course will provide an introduction to film history through an examination of films produced in the twentieth century. Prerequisite: 1020.
- <sup>1</sup>3530. EXPERIMENTAL FILMMAKING.** (3-3-0). This course is designed as an introduction to a broad range of practices sometimes labeled “video art” or “experimental video.” Students will learn strategies and theories to produce creative experimental video projects. Students will be asked to engage theoretical and aesthetic issues through the design and realization of their own video projects. Each student will be expected to develop multiple approaches to visual, sound, and editing styles. Production strategies will range from introductory to advanced, depending on the background of each student. Prerequisites: ENGL 1020 or permission of the instructor.
- <sup>1</sup>3540. SCREENWRITING I.** (3-3-0). A dedicated study of the major forms and conventions of contemporary screenwriting, with practice revising, composing, and workshoping original screenplays. Prerequisite: ENGL 2120, ENGL 3500, or instructor approval.
- <sup>1</sup>3610. INTRODUCTION TO DIGITAL CULTURE.** (3-3-0). This course explores emerging practice and trends in digital culture and how those practices influence online writing and communication. Topics may include social networking sites, multi-player online environments, the blogosphere, the open source movement and online fan composition, and grassroots video and audio productions such as vlogs, web series, and podcasts. Prerequisite: “C” or better in ENGL 1020.
- 3710. QUEER LITERATURES.** (3-3-0). This course introduces students to LGBTQI+ texts and their literary and political contributions by examining intersections of queer identities within cultural, historical, and social contexts.
- 3720. INDIGENOUS GENDERS.** (3-3-0). Introduction to North American Indigenous gender roles and beliefs and how they have changed over time.
- 3730. GENDERED ECOLOGIES.** (3-3-0). Gendered Ecologies explores the relationships between environmental issues and embodied notions of sexuality, gender, and race to examine the roles of discourses about “nature” toward shaping situated and site-specific experiences of environments. Prerequisite: ENGL 2070 or 2110.
- <sup>1</sup>3800. READING BLACKNESS.** (3-3-0). This course will examine the ways in which we as readers engage with the concept of blackness. We will predominantly focus on works by African-Americans, but with reference to texts by Africans and writers living in the global diaspora. We will encounter written texts, music, films, and other works that all address what blackness means as an identity and an identifier. Over the course of semester, we will look at how artists negotiate the intersection of blackness with other parts of their identities, such as sexuality, gender, social class, and religion. Prerequisite: ENGL 2110.zxxxx
- <sup>1</sup>3840. LITERATURE OF THE GLOBAL SOUTH.** (3-3-0). This course offers a survey of literature produced in the Global South (regions of Latin America, Asia, Africa, and Oceania) falling outside the conventional literary cannon. Focusing on literature produced in the postcolonial period of these nations, this course provides an opportunity for students to come to a deeper understanding of the historical and sociopolitical circumstances that inspired them. Prerequisites: ENGL 2110 or ENGL 2070.

- <sup>1</sup>3850. SPECIAL TOPICS: LITERARY GENRES.** (3-3-0). May be repeated for credit when the topic varies. Subtitles:  
03-Supernatural  
06-Detective Fiction  
08-Film and Narrative  
09-Science Fiction  
13-Tragic Tradition in Western Drama  
14-Horror
- <sup>1</sup>3900. DIRECTED STUDY IN ENGLISH.** (1 to 4-0-0). Supervised independent study on a topic not normally covered in regular course offerings at an advanced level. May be repeated for credit when the topic varies. Prerequisite: Instructor approval.
- <sup>1</sup>3910. MULTICULTURAL LITERATURE.** (3-3-0). Course that examines the intersections of various literatures and cultures. May be repeated for credit when topic varies.
- <sup>1</sup>3920. CHICANA/CHICANO LITERATURE.** (3-3-0). This course will examine literature produced by Chicanas and Chicanos (Americans of Mexican descent) from the late 19<sup>th</sup> century to the 1980s, along with the theoretical and historical framework necessary to understand these works on their own terms. Prerequisite: ENGL 1010 and 1020 or equivalent.
- <sup>1</sup>3930. BLACK BRITISH WRITERS.** (3-3-0). The course introduces students to writing in English by peoples of color within Britain and the British Empire from 1700 to the present. Course content acknowledges the difficulty of determining who might be and who might willingly identify as a “Black British writer”; Britain’s participation in enslavement, colonization, imperialism, decolonization, and globalization renders the category unstable and even problematic. With this in mind, the course demonstrates the long overlooked historical, intellectual, and artistic significance of these writers and investigates the British social and cultural mediation of identity, race, and nation through their perspectives.
- <sup>1</sup>3940. WRITING FANTASY LITERATURE.** (3-3-0). A course that explores different genres of fantasy literature, and invites students to not only imitate those genres, but also allows for exploration into their own writing interests regarding fantasy literature. Aspects of world building, history, character, and style will be covered, as well as particulars and pitfalls of the genre. Prerequisite: ENGL 2070/2110, or by instructor permission.
- <sup>1</sup>4000. HISTORY OF THE ENGLISH LANGUAGE** (3-3-0). Development; change since the Anglo-Saxon period; present-day usages and vocabulary.
- <sup>1</sup>4040. TECHNICAL EDITING.** (3-3-0). Introduces major issues facing today’s technical editors and covers important skills to prepare students for careers in writing, editing, and publishing. Focuses on how to edit different types of technical documents for clarity, consistency, cohesiveness, and correctness through the basic principles of editing for grammar, syntax, organization, style, emphasis, content, and audience awareness. Involves hands-on editing practice on real-world documents with industry-specific style guides through individual and collaborative assignments.
- <sup>1</sup>4060. FICTION II.** (3-3-0). Advanced study in the form, theory, and practice of fiction writing. Students will read, write, and revise fiction in a variety of forms and modes. Prerequisite: ENGL 3180.
- <sup>1</sup>4070. CREATIVE NONFICTION II.** (3-3-0). Advanced study in the form, theory, and practice of creative nonfiction writing. Students will read, write, and revise creative nonfiction in a variety of forms and modes. Prerequisite: ENGL 3050.
- <sup>1</sup>4080. WRITING AS A PROFESSION.** (3-3-0). This is a course devoted to learning how to be a writer for the long haul, how to maintain a meaningful and productive writing practice—both in an abstract sense and a practical sense. This course will ask students to explore deeply about their own motives and tendencies as writers. Discussions about the changing landscape of publishing and professionalization for writers will include topics like the following: print vs. online publishing, social media, diversity in editorial practice and publication, career options for writers, cover letters and submissions practice, etc. Students will leave this course with a more nuanced understanding of what it means to be a writer in relation to their own career and/or creative goals, as well as documents and expertise for pursuing publication. Prerequisite: ENGL 2120.
- <sup>1</sup>4090. POETRY II.** (3-3-0). Advanced study in the form, theory, and practice of poetry writing. Students will read, write, and revise poetry in a variety of forms and modes. Prerequisite: ENGL 3080.
- <sup>1</sup>4100. LANGUAGE AND SOCIETY.** (3-3-0). This course is an introduction to the social scientific study of language. Students will learn essential principles of linguistics and linguistic anthropology while examining how languages reflect and shape cultures and social structures; how linguistic variation relates to social categories such as region, ethnicity, “race,” gender and class; relationships among language, power, and identity; and how language change occurs.
- <sup>1</sup>4110. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). Introduces students to the scientific study of language, covering core concepts like phonetics and phonology (sounds), morphology (word structure), syntax (sentence structure), semantics (meaning), and pragmatics (language use in context), aiming to equip students with a foundational understanding of how human languages are constructed, described and classified, and function across diverse linguistic systems.
- <sup>1</sup>4130. CHAUCER.** (3-3-0). Major works; The Canterbury Tales; cultural, intellectual, and historical backgrounds.
- <sup>1</sup>4140. MEDIEVAL LITERATURE.** (3-3-0). Study of the major works of Middle English literature, excluding Chaucer.
- <sup>1</sup>4160. LANGUAGE AND GENDER.** (3-3-0). This course examines relationships between language and gender ideologies, experiences, practices, institutions, and power, including cross-cultural perspectives.
- <sup>1</sup>4170. EARLY MODERN ENGLISH DRAMA.** (3-3-0). Survey of major English Renaissance playwrights, excluding Shakespeare. Prerequisites: Junior standing and completion of 1010, 1020, and at least one literature survey course.
- <sup>1</sup>4190. SHAKESPEARE.** (3-3-0). Comedies, histories, and tragedies; Shakespeare’s development and the period in which he wrote.
- <sup>1</sup>4200. SEVENTEENTH-CENTURY ENGLISH LITERATURE.** (3-3-0). A survey of seventeenth-century English prose, poetry, and drama through the English revolution, focusing on the relation between history and literature.
- <sup>1</sup>4230. LITERATURE AND THE ENVIRONMENT.** (3-3-0). This course explores the vital relationship between literature and the environment, asking how changing perspectives about land and animals have influenced our perceptions of and relationships to the natural environment and our political priorities relative to environmental problems and solutions in fiction and nonfiction literature.

- <sup>1</sup>4240. LOCAL COLOR AND AMERICAN HUMOR WRITING.** (3-3-0). From its very beginnings, American “local color writing” has been designed as a lower form of literature. Sometimes referred to as regionalism, local color writing filled the collective American consciousness from roughly 1850-1900 at a time when America was attempting to understand itself as a whole entity. By the beginning of the twentieth century, American regionalism – and indeed American humor writing – had been shrugged aside as “serious literature.” But a proliferation of American humorists of the twentieth century – most of them intellectuals, scholars and literary enthusiasts – continued to work on the margins of American literature. This course will examine the uniqueness of American humor through its influence on American culture, literature, non-fiction, magazine writing, popular culture, film and television.
- <sup>1</sup>4250. EIGHTEENTH-CENTURY BRITISH LITERATURE.** (3-3-0). A focus on the literature of the long eighteenth century (1660-1800) that may present a survey of the work of major poets, prose writers, or dramatists, or a combination of more than one genre.
- <sup>1</sup>4260. MILTON.** (3-3-0). Major works; Paradise Lost and selected prose.
- <sup>1</sup>4310. THE ROMANTICS.** (3-3-0). Major Romantic poets including Wordsworth, Coleridge, Byron, Shelley, and Keats.
- <sup>1</sup>4320. FOLK AND FAIRY TALES.** (3-3-0). Students will employ folklore theory to critically analyze folk and fairy tales selected from a variety of cultures and times, explore how and in what contexts these tales are told and retold, as well as the function the performance of these tales play in various societies. Students will also examine how the incorporation of folk and fairy tales enrich modern literary texts and films. Prerequisite: 2000 level literature.
- <sup>1</sup>4340. FROM REAL TO REEL.** (3-3-0). Film is unique in its ability to capture real events as they unfold in real time. Yet, we must acknowledge that the camera is never neutral, never objective. In this course we will explore approaches to filming real world events as they have developed in documentary and ethnographic film traditions. You will learn best practices and tackle ethical dilemmas as you make your own films. No prior filmmaking experience or equipment is necessary.
- <sup>1</sup>4350. THE ENGLISH NOVEL TO 1800.** (3-3-0). Classic forms of the novel – epistolary and picaresque – beginning in the 18th century and ending with Austen’s novel of manners.
- <sup>1</sup>4360. THE ENGLISH NOVEL SINCE 1800.** (3-3-0). The English novel since the Industrial Revolution; George Eliot, Butler, and Hardy to Joyce and Woolf. The novel as a document of social change and commentary.
- <sup>1</sup>4370. SCREENWRITING II.** (3-3-0). Advanced study in the form, theory, and practice of screenwriting. Students will read, write, and revise screenplays in a variety of forms and modes. Prerequisite: ENGL 3540.
- 4380. SPECIAL PROJECTS.** (3-3-0). This is an experiential learning course designed to provide students with the opportunity to learn deeply about a specific category/genre/area of creative writing and create a complete product to deliver to a wider community at the end of the term. The course combines exploration of specific scholarship and craft considerations relevant to the area of study, as well as hands-on process experience working to build a product like the following: a publication, a workshop, a reading series, a performance, etc. Students will gain specialized knowledge and marketable industry experience. The course may be repeated for credit as topic varies. Prerequisite: ENGL 2120 or consent of instructor.  
Subtitles:  
01-Literary Magazine  
02-Local Histories
- 4410. READING AS PERFORMANCE** (1-1-0). This is a course for creative writers nearing graduation. Students will learn methods for offering an effective literary reading of their own original work. Attention will be given to elements of successful delivery including pacing, excerpting, contextualizing, voice modulation, engaging an audience, etc. Additional considerations may include strategies for booking venues, advertising, event accessibility, and other related topics. The course will culminate in a public reading of the student's work. Prerequisite: ENGL 4080 or instructor permission.
- <sup>1</sup>4420. LITERARY THEORY.** (3-3-0). This introduction to literary criticism looks at the analytical mode known as “theory”: the underlying principles used to understand, analyze, and interpret literature. Theory arises through an interdisciplinary mixture of perspectives, shared questions and problems, and various transformations of cultural assumptions and knowledge. The course explores various schools of modern and contemporary literary criticism and teaches students to analyze texts using those methods.
- <sup>1</sup>4440. AMERICAN VOICES: CONTEMPORARY AMERICAN POETS.** (3-3-0). A hybrid course in literature and poetry writing. This course centers the study and discussion of the multiplicity and diversity of voices which form the landscape of contemporary American Poetry. Students will read and write poems engaging in a conversation around what it means to be a poet writing in America. Prerequisite: ENGL 3080 or instructor approval.
- <sup>1</sup>4450. POPULAR LITERATURE AND THE BESTSELLER LIST.** (3-3-0). In this course, we read bestselling fiction and nonfiction books as a means of understanding literature, the publishing industry, the creation of the literary canon, and popular culture.
- <sup>1</sup>4460. STUDIES IN THE 21<sup>ST</sup> CENTURY.** (3-3-0). In this course we will study a variety of literary forms to get a sense of what evolutions in form and content writers have been exploring in the 21st century. We will also examine how writers negotiate contemporary personal, political, and philosophical issues. Prerequisite: ENGL 2070 or ENGL 2110.
- <sup>1</sup>4570. THE AMERICAN NOVEL TO 1900.** (3-3-0). Major themes in development from the early republic through the flowering of New England (Melville, Hawthorne).
- <sup>1</sup>4610. THEORIES AND PRACTICES IN THE TEACHING OF ENGLISH.** (3-3-0). This course allows English Education students to focus on pedagogy specific to English language arts, in addition to synthesizing the content knowledge they’ve accumulated into practical application in the middle and secondary level classroom. Course assignments and projects will demonstrate effective practice in the teaching of language, literature, and writing. Prerequisite: permission of instructor.
- <sup>1</sup>4620. CLASSICAL RHETORIC.** (3-3-0). Explores the origins and development of rhetorical theory in ancient Greece and Rome from the Sophists to early Christian treatments of rhetoric primarily through the reading and discussion of primary texts. Introduces core rhetorical concepts including the rhetorical appeals, the three genres of rhetoric, and the five canons of rhetoric. Provides students interested in English and communication studies with tools and techniques with which they can analyze the potential for manipulation and misuse of rhetoric in texts written by others and produce persuasive texts of their own that are both effective and ethical.
- <sup>1</sup>4630. CONTEMPORARY RHETORIC.** (3-3-0). Examines theories and practices of persuasive communication in the 20<sup>th</sup> and 21<sup>st</sup> centuries, analyzing how rhetoric is used in politics, media, and digital spaces, primarily through the reading and discussion of primary texts. Focuses on the application of rhetorical strategies to analyze and produce texts across various platforms, while considering emerging trends and issues in contemporary discourse in ways that apply to students interested in communication, writing, and English studies.

- <sup>14640.</sup> **COMPOSTION THEORY.** (3-3-0). Provides an in-depth examination of various theoretical perspectives on writing with a focus on how these theories can be applied in teaching writing at the college level, exploring how writing functions within different social and cultural contexts, analyzing the process of composition itself, and critically examining debates within the field of composition studies. Aims to develop, in students interested in pursuing a career in teaching writing at the college level, a deep understanding of the complexities of writing as a practice and the theoretical frameworks that inform it.
- <sup>14650.</sup> **THE SOUTHERN RENAISSANCE.** (3-3-0). Flowering of literary culture in the South from 1920 -1950. Addresses the fiction of authors of the era; poetry and criticism of the Agrarian and Fugitive movements; trends in the novel, short fiction, and drama of the Southern regional tradition.
- <sup>14660.</sup> **SYNTACTICAL THEORIES.** (3-3-0). Focuses on the teaching and learning of grammar in the second language classroom. The course will provide readings, outside sources of information, and other materials to understand both the theory and practice of teaching the grammar for any selected second language. Students will participate in regular class discussions, exercises, and design a class lesson to apply what they have learned to the classroom environment.
- <sup>14670.</sup> **FOLKLORE.** (3-3-0). Development of folklore in America; effects of regionalism upon it.
- <sup>14680.</sup> **MEDIEVAL TO MODERN RHETORIC.** (3-3-0). Traces the development and impact of rhetorical theory and practice from Medieval Christian and Islamic adaptations of classical rhetoric through the rise of Renaissance humanism to the modern Enlightenment, primarily through the reading and discussion of primary texts. Considers how rhetoric was used throughout Europe in a variety of contexts, including religious, legal, political, literary, scientific, and educational settings. Teaches students interested in English and communication studies how to apply rhetorical principles to the analysis and production of a variety of texts.
- <sup>14690.</sup> **CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, an era of unprecedented growth and development in the Southern tradition.
- <sup>14700.</sup> **LITERATURE AND CULTURE.** (3-3-0). Interdisciplinary course that examines the intersections of various literatures and cultures. May be repeated for credit when topic varies. Subtitles:  
01 – Literature and Food  
02 – The Literature of Health and Healing 03 – Piracy
- <sup>14710.</sup> **FILM SEMINAR I: DIRECTORS.** (3-3-0). This course will examine the works of a notable director or directors. May be repeated for credit as topic varies. Prerequisite: 1020. Subtitle:  
01 – Hitchcock  
02 – The Coen Brothers
- <sup>14720.</sup> **INTERCULTURAL COMMUNICATION.** (3-3-0). Examines the process by which meaning and messages are shared and interpreted between people from different cultures with a focus on culture and how variance in culture symbols, values, and behaviors affects communication interactions across cultures. Explores topics like verbal and nonverbal cues, communication styles, power dynamics, conflict resolution, globalization, migration, and media representation. Equips students with knowledge and skills to interact and communicate effectively with people from various cultural backgrounds.
- <sup>14730.</sup> **VISUAL RHETORIC.** (3-3-0). Images play a significant role in our lives as we text, stream, and scroll; as such, visual literacy—the ability to analyze, understand, and create images—is vital to being critical and productive participants in our culture. This course explores how people use images to make meaning that can influence people's opinions, beliefs, attitudes, and behaviors. Students will engage with foundational and contemporary scholarship in visual rhetoric, analyze and critique a variety of visual and multimodal texts, and compose images for their own rhetorical purposes to develop visual literacy skills.
- <sup>14740.</sup> **DIGITAL RHETORIC AND WRITING.** (3-3-0). Explores the theories, and practices of rhetoric and writing within digital environments, examining how communication strategies, persuasive techniques, and audience engagement are adapted and utilized across various digital platforms like social media, websites, and online forums, while considering ethical implications and the unique characteristics of digital communication. Focuses on how to interact with and analyze digital texts as well as how to create effective content as a writer and handle the graphical, multimedia, hypertext, and interactive elements that are involved in composition and publishing on digital platforms.
- <sup>14770.</sup> **LOUISIANA CREOLE FOLKWAYS.** (3-3-0). This course is a study of folk traditions within Louisiana Creole communities; fieldtrips to these communities will be part of the course as will interaction with traditional artists. Prerequisite: Successful completion of ENGL 2050, 2060, 2070, or 2080.
- <sup>14790.</sup> **GRANT WRITING.** (3-3-0). This course provides an overview of grant writing with an emphasis upon location of funding sources, grant preparation, sound grant management practices, grant writing, and grant review.
- <sup>14800.</sup> **PRINCIPLES OF RESEARCH.** (3-3-0). Research methods for students preparing to write senior projects. Introduction to research methodology; bibliographic databases and research/reference; documentation and style appropriate to different English concentrations. This course is a required prerequisite for English 4810.
- <sup>14810.</sup> **SENIOR SEMINAR.** (3-3-0). This course is the capstone senior project course for all English concentrations and provides students guidance and opportunity to write a substantial scholarly or creative work.
- <sup>14870.</sup> **FOLKLORE AND FILM.** (3-3-0). Students will employ folklore theory to critically analyze the incorporation of folklore and “the folk” in both narrative and ethnographic documentary film. Prerequisite: 2000 level literature.
- <sup>14873.</sup> **LOUISIANA CREOLE LITERATURE.** (3-3-0). This course is a survey of Louisiana French Creole literature from 1848 to the present encompassing both French-language texts in translation and texts originally written in English. The literary genres covered will include poetry, drama, fiction, nonfiction, and children's literature. Prerequisites: Completion of ENGL 1010, 1020, and one of the following: ENGL 2050, 2060, 2070, 2080.
- <sup>14880.</sup> **FOLKLORE OF THE SOUTHERN UNITED STATES.** (3-3-0). Introduces folklore of major groups in the Southern United States, including Anglo-American, Afro-American, Native American, French and Spanish. Emphasis placed on verbal lore such as folk language, proverbs, tales, songs, legends, and myths. Prerequisite: ENGL 2110.
- <sup>14900.</sup> **ENGLISH INTERNSHIP.** (3-0-6). For English majors. Prerequisite: Junior standing, nine hours of English beyond the sophomore level, and consent of instructor.
- <sup>4910.</sup> **BLACK AMERICAN FILM.** (3-3-0). This course will explore the history of films produced by and for Black people in the United States. Students will learn the basic elements of cinematic language while studying Black American films in their cultural and historical contexts. We will examine how filmmakers and stars negotiate the intersection of blackness with other parts of their identities, such as sexuality, gender, social class, and religion. We will also consider the economic and political factors that have shaped Black American film from the silent era to the present. Prerequisite: ENGL 2070 or ENGL 2110.
- <sup>4950.</sup> **HISPANIC FILM.** (3-3-0). This course will give students an introduction to the history of film production throughout the Spanish-speaking world. Students will learn the basic elements of cinematic language while studying Hispanic films in their cultural and historical contexts. Issues such as nationalism, colonialism, immigration, gender, sexuality, and globalization will be explored. Taught in English. Prerequisite: ENGL 2070 or ENGL 2110.

**4960. FRANCOPHONE FILM.** (3-3-0). This course will give students an introduction to the history of film production throughout the French-speaking world. Students will learn the basic elements of cinematic language while studying francophone films in their cultural and historical contexts. Issues such as nationalism, colonialism, immigration, gender, sexuality, and globalization will be explored. Taught in English. Prerequisite: ENGL2070 or ENGL 2110.

**4970. FILM, GENDER, AND SEXUALITY.** (3-3-0). This is an advanced film seminar that will examine the changing cultural and theoretical views of gender and sexuality in cinema and cultural theory. We will explore the ways that depictions of gender and sexuality have changed over the course of film history, and how film as a medium helps construct popular notions of gender and sexuality. Students will be asked to read, view, examine, discuss and write about selected films from around the world in terms of feminist and queer theory, and gender studies. Prerequisite: ENGL 2110 or ENGL 2070 or instructor's permission.

**4980. FILM SEMINAR II: GENRES.** (3-3-0). This course will examine the works in a specific film genre, investigating both general characteristics and historical development. Prerequisite: 1020.  
Subtitles:  
01- Horror  
02- Melodrama

<sup>1</sup> The sophomore course(s) in English (ENGL 2110 or equivalent) required in any curriculum must be completed before entry into any advanced (3000- or 4000-level) English course.

<sup>2</sup> Students must earn a "C" or better in ENGL 1010, 1020, and the sophomore literature course(s) in order to be eligible to enroll in advanced-level ENGL courses.

<sup>3</sup> Students enrolled in ENGL 1011 must earn a C or better to complete the course.

#### For Graduates Only

The specific field of study in the following courses is determined by the instructor. Texts and subjects are changed at the discretion of the instructor.

**5040. INTRODUCTION TO PHONOLOGY.** (3-3-0). The course presents a basic introduction to speech and speech production from the point of view of linguistics. The basic features of speech system and production are discussed in detail. Students will also learn a phonetic transcription system to describe and analyze the speech sounds of English and other languages. Prerequisite: Graduate standing.

**5050. QUALITATIVE RESEARCH METHODS FOR LANGUAGE AND COMMUNICATION STUDIES.** (3-3-0). Introduces and examines commonly accepted procedures and epistemological foundations for qualitative research in language and communication studies such as participant observation, interviewing, and ethnography. Both doing and reporting qualitative research studies will be stressed.

**5060. INTERCULTURAL COMMUNICATION.** (3-3-0). Examines the process by which meaning and messages are shared and interpreted between people from different cultures with a focus on culture and how variance in cultural symbols, values, and behaviors affect communication interactions across cultures. Explores topics like verbal and nonverbal cues, communication styles, power dynamics, conflict resolution, globalization, migration, and media representation. Equips students with knowledge and skills to interact and communicate effectively with people from various cultural backgrounds. Engages with scholarship in communication and English studies through the reading of academic texts and the development of relevant independent research.

**5070. STUDIES IN FLASH FICTION.** (3-3-0). This course provides intensive study and practical application in the writing and study of flash fiction, including form and theory, history of the genre, and publication. Prerequisite: ENGL 5550.

**5090. MEDIEVAL TO MODERN RHETORIC.** (3-3-0). Traces the development and impact of rhetorical theory and practice from Medieval Christian and Islamic adaptations of classical rhetoric through the rise of Renaissance humanism to the modern Enlightenment, primarily through the reading and discussion of primary texts. Considers how rhetoric was used throughout Europe in a variety of contexts, including religious, legal, political, literary, scientific, and educational settings. Teaches students interested in English and communication studies how to apply rhetorical principles to the analysis and production of a variety of texts. Engages with scholarship in rhetoric, communication, composition, and literary studies through the reading of academic texts and the development of relevant independent research.

**5220. TECHNICAL WRITING.** (3-3-0). This course focuses on rhetorical technique and writing skills for analyzing, producing, and editing technical documents for a variety of audiences and purposes in business, industrial, scientific, and technological fields.

**5230. TECHNICAL EDITING.** (3-3-0). Introduces major issues facing today's technical editors and covers important skills to prepare students for careers in writing, editing, and publishing. Focuses on how to edit different types of technical documents for clarity, consistency, cohesiveness, and correctness through the basic principles of editing for grammar, syntax, organization, style, emphasis, content, and audience awareness. Involves hands-on editing practice on real-world documents with industry-specific style guides through individual and collaborative assignments. Engages with the scholarship of technical editing through the reading of academic texts and the development of relevant independent research.

**5240. PRINCIPLES OF SECOND LANGUAGE LEARNING, INSTRUCTION AND METHODOLOGY.** (3-3-0). Examines a number of second language learning/teaching paradigms and focuses on the changing forms and functions of methodology and technique as the emphasis of language pedagogy has shifted from teacher directed, drill and pattern practice to learner focused, task-based instruction.

**5250. STUDIES IN THE 18<sup>th</sup> CENTURY.** (3-3-0). Focused study of 18<sup>th</sup> century literature. May be repeated for a maximum of 6 hours of credit when topic varies.

Subtitles:  
01-Essays, Poetry and Drama  
02-Novels  
03-Special Topics

**5260. CLASSICAL RHETORIC.** (3-3-0). Explores the origins and development of rhetorical theory in ancient Greece and Rome from the Sophists to early Christian treatments of rhetoric primarily through the reading and discussion of primary texts. Introduces core rhetorical concepts including the rhetorical appeals, the three genres of rhetoric, and the five canons of rhetoric. Provides students interested in English and communication studies with tools and techniques with which they can analyze the potential for manipulation and misuse of rhetoric in texts written by others and produce persuasive texts of their own that are both effective and ethical. Engages with scholarship in rhetoric, communication, and composition through the reading of academic texts and the development of relevant independent research.

**5270. CONTEMPORARY RHETORIC.** (3-3-0). Examines theories and practices of persuasive communication in the 20<sup>th</sup> and 21<sup>st</sup> centuries, analyzing how rhetoric is used in politics, media, and digital spaces, primarily through the reading and discussion of primary texts. Focuses on the application of rhetorical strategies to analyze and produce texts across various platforms, while considering emerging trends and issues in contemporary discourse in ways that apply to students interested in communication, writing and English studies. Engages with scholarship in rhetoric, communication, composition, and media studies through the reading of academic texts and the development of relevant independent research.



- 5280. COMPOSITION THEORY.** (3-3-0). Provides an in-depth examination of various theoretical perspectives on writing with a focus on how these theories can be applied in teaching writing at the college level, exploring how writing functions within different social and cultural contexts, analyzing the process of composition itself, and critically examining debates within the field of composition studies. Aims to develop, in students interested in pursuing a career in teaching writing at the college level, a deep understanding of the complexities of writing as a practice and the theoretical frameworks that inform it. Engages with scholarship in composition, rhetoric, and education through the reading of academic texts and the development of relevant independent research.
- 5300. STUDIES IN THE 19th CENTURY.** (3-3-0). Focused study of 19<sup>th</sup> century literature. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-The Romantics  
02-The Victorians  
03-Novel since 1800  
04-Special Topics
- 5320. FOLK AND FAIRY TALES.** (3-3-0). Students will employ folklore theory to critically analyze folk and fairy tales selected from a variety of cultures and times, explore how and in what contexts these tales are told and retold, as well as the function the performance of these tales play in various societies. Students will also examine how the incorporation of folk and fairy tales enrich modern literary texts and films. Prerequisite: 2000 level literature.
- 5340. ETHNOGRAPHIC AND DOCUMENTARY FILM-MAKING.** (3-3-0). Course will focus upon a definition of ethnography and will incorporate the best practices in documentary filmmaking. Issues to be addressed will include editorial choices, inclusion of contextual information, cultural ownership and culture as commodity/product, and the best ways in which to depict cultures on their own terms.
- 5350. STUDIES IN THE 20th CENTURY.** (3-3-0). Focused study of the 20<sup>th</sup> century literature. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-Novels  
02-Poetry  
03-Drama  
04-Reading Film and/as Literature
- 5360. STUDIES IN THE 21ST CENTURY.** (3-3-0). In this course we will study a variety of literary forms to get a sense of what evolutions in form and content writers have been exploring in the 21st century. We will also examine how writers negotiate contemporary personal, political, and philosophical issues. Our readings will be accompanied by scholarly essays that will help spark conversations and serve as models for your own writing.
- 5400. STUDIES IN AMERICAN LITERATURE I.** (3-3-0). Focused study of American literature before 1865. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-Colonial  
02-Nationalism and Romanticism  
03-Poetry  
04-Novels  
05-Drama
- 5450. STUDIES IN AMERICAN LITERATURE II.** (3-3-0). Focused study of American literature since 1865. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-Rise of Realism  
02-Modern  
03-Poetry  
04-Novels  
05-Drama  
06-African-American
- 5500. STUDIES IN LITERARY CRITICISM.** (3-3-0). The study of contemporary literary movements from their critical and aesthetic base in the study of rhetoric through 21<sup>st</sup> century writers to examine the historical and philosophical foundations of key concepts in literary criticism, including, mimesis, rationalism, empiricism, representation, authorship, interpretation, identity and selfhood, agency, and others.
- 5540. SECOND LANGUAGE TESTING AND ASSESSMENT.** (3-3-0). The course will study the theory and practice of designing and implementing various types of tests and assessments to measure student learning outcomes in second language educational programs, focusing especially on English as a Second Language (ESL) courses. Tests designed for the academic program level, including placement and exit tests, will also be considered.
- 5550. CREATIVE WRITING WORKSHOP.** (3-3-0). Students will engage with literature from a creative perspective, including study of the form, theory, and practice of creative writing. May be repeated for a maximum of 9 credit hours when topic varies.  
Subtitles:  
01-Fiction  
02-Poetry  
03-Creative Nonfiction
- 5560. SOUTHERN WOMEN WRITERS.** (3-3-0). A focus on the tradition of Southern fiction as demonstrated in selected writings by Southern women authors.
- 5570. SOUTHERN LITERATURE BEFORE 1920.** (3-3-0). Provides introduction to Southern Literature written prior to 1920. The Literature of the American South prior to 1920 includes a wide variety of diaries, political documents, poetry, drama, and fiction. The course will also focus on a genre of literature, the Humor of the Old Southwest.
- 5580. FOLKLORE OF THE SOUTHERN UNITED STATES.** (3-3-0). Introduces folklore of major folk groups in the southern United States including Anglo-American, Afro-American, Native American, French and Spanish. Emphasis placed on verbal lore such as folk language, proverbs, tales, songs, legends, and myths.
- 5590. CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, placing particular emphasis on the pivotal forms of this era, the novel and short story. Addresses contemporary critical and theoretical methodologies as aids in reading contemporary Southern texts.
- 5600. USES OF FOLK MATERIALS IN TEACHING.** (3-3-0). Basic concepts and materials of folklore; analysis of folk materials as resources for instruction. Folk materials as a resource for writing.
- 5710. LOUISIANA FICTION.** (3-3-0). Representative 20th Century Louisiana writers of fiction such as George Washington Cable, James Aswell, Robert Penn Warren, Lafcadio Hearn, Shirley Ann Grau, Kate Chopin, Lyle Saxon, Ernest Gaines, and Arna Bontemps.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Provides introduction to history, theory, and practice of public folklore programming. Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise in specific areas of public folklore such as publication, audio/video documentation, crafts, exhibits, education and festivals. Prerequisite: Undergraduate or graduate level introduction to folklore. (Same as Anthropology 5720).
- 5721. INTERNSHIP IN PUBLIC FOLKLORE.** (3-0-0). Internship in Public Folklore. Seventeen hours per week and completion of a project defined by Director of the Louisiana Folklife Center. Possibilities include but are not limited to editing Louisiana Folklife, coordinating major components of Natchitoches/Northwestern State University Folk Festival, completing surveys of folk cultural resources, writing and coordinating grants, and helping develop small community folk cultural events such as silent exhibits and folklore performances. Prerequisites: 5600 (or approved senior/graduate folklore course) and 5720.

- 5800. METHODS IN ENGLISH STUDIES.** (3-3-0). This course provides an intensive introduction to advanced, professional, and discipline-specific knowledge-production within English studies. The class increases students' understanding and experience of research methods, scholarly genres, and academic argumentations across all concentrations.
- 5870. FOLKLORE AND FILM.** (3-3-0). Students will employ folklore theory to critically analyze the incorporation of folklore and "the folk" in both narrative and ethnographic documentary film. Prerequisite: 2000 level literature.
- 5900. SPECIAL PROBLEMS IN RESEARCH.** (1 to 4-3-0). A maximum of three hours of credit may be applied toward a degree.
- 5920. ENGLISH INTERNSHIP.** (3-0-0). For graduate students in English. Interning with an organization approved by the instructor and completion of a project defined by the instructor. Permission of instructor required.
- 5980. THESIS FOR ACCELERATED BA-MA.** (3 to 6-0-0). Research, writing, and revision leading to a thesis which fulfills the Scholars thesis and MA completion project requirements. Projects may be critical, creative, or practical and should consist of multiple chapters or the equivalent. 18 credit hours of the degree must be completed to register for this course. Maximum, six hours. Continuous enrollment required until the thesis is accepted by the graduate school.
- 6010. YOUNG ADULT FICTION.** (3-3-0). Critical exploration of a range of Young Adult Literature written by award-winning authors from the perspectives of style, theme, representations of adolescence and adulthood, and approaches to interpretation, censorship, and canonicity.
- 6020. WRITING AS A PROFESSION.** (3-3-0). This course is a devoted to learning how to maintain a meaningful and productive writing practice – both an abstract and a practical sense. This course will ask students to explore deeply about their own motives and tendencies as literary writers in order to prepare for literary publishing. Course work and discussions will include attention on the following: print vs. online publishing, social media, diversity in editorial practice and publication, career options for writers, cover letters, and submission practices, etc. Students will leave this course with a fuller understanding of what it means to be a writer in relation to their own career and/or creative goals. Particular emphasis will be placed on preparing essays, poems, short stories, and longer manuscripts for publication.
- 6030. ECOCRITICISM.** (3-3-0). This class is an introduction to the theory and practice of ecocriticism, a form of literary analysis that examines the role of the environment in texts. Ecocriticism assumes that human culture is connected with the physical world and takes as its subjects the interconnections between the cultural and the natural; as a theoretical discourse, it negotiates between the human and the nonhuman, the self and the other.
- 6090. ADVANCED POETRY WRITING.** (3-3-0). This course provides intensive study and practical application of modes and strategies available to the contemporary poet.
- 6100. STUDIES IN MEDIEVAL LITERATURE.** (3-3-0).  
Subtitle:  
01-Chaucer
- 6110. STUDIES IN RENAISSANCE LITERATURE.** (3-3-0). Focused study of Renaissance literature. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-Shakespeare's Tragedies  
02-Shakespeare's Comedies  
03-Shakespeare  
04-Non-dramatic Literature
- 6120. STUDIES IN THE 17th CENTURY.** (3-3-0). Focused study of 17<sup>th</sup> century literature. May be repeated for a maximum of 6 hours of credit when topic varies.  
Subtitles:  
01-Milton  
02-Poetry  
03-Prose  
04-Drama
- 6200. MAJOR AUTHORS SEMINAR.** (3-3-0). Intensive study of the works of a major literary figure or figures in American or British literature. American authors may include William Faulkner, Edgar Allan Poe, Emily Dickinson, or Zora Neale Hurston. British authors may include Charles Dickens, George Eliot, Thomas Hardy, James Joyce, D.H. Lawrence. May be repeated for credit as course content varies.
- 6210. FORMS OF POETRY.** (3-3-0). The major forms of contemporary poetry will be examined in their historical, critical, and political contexts, and students will demonstrate their understanding of the various forms by writing their own original poems in response. Prerequisite: Admission to the graduate program in English or another discipline.
- 6230. LITERATURE AND THE ENVIRONMENT.** (3-3-0). This course explores the vital relationship between literature and the environment, asking how changing perspectives about land and animals have influenced our perceptions of and relationships to the natural environment and our political priorities relative to environmental problems and solutions in fiction and nonfiction literature.
- 6300. LITERATURE AND CULTURE.** (3-3-0). Interdisciplinary course that examines the intersections of various literatures and cultures. May be repeated for credit when topic varies.  
Subtitles:  
01 – Literature and Food  
02 – The Literature of Health and Healing
- 6310. THE LITERATURE OF THE SOUTHERN RENAISSANCE.** (3-3-0). Focuses upon literary trends of the Southern Renaissance from 1920-1950, with particular emphasis on the novel and short fiction. Also addresses relevant critical and theoretical methodologies as aids to reading contemporary Southern texts.
- 6373. LOUISIANA CREOLE LITERATURE.** (3-3-0). This course is a survey of Louisiana French Creole literature from 1848 to the present encompassing both French-language texts in translation and texts originally written in English. The literary genres covered will include poetry, drama, fiction, nonfiction, and children's literature.
- 6470. LOUISIANA CREOLE FOLKWAYS.** (3-3-0). This course is a study of folk traditions within Louisiana Creole communities; fieldtrips to these communities will be part of the course as will interaction with traditional artists.
- 6480. INTRODUCTION TO FOLKLORE AND FOLKLIFE.** (3-3-0). This course presents an overview of folklore and folklife and addresses multiple genres and practices.
- 6530. VISUAL RHETORIC.** (3-3-0). Images play a significant role in our lives as we text, stream, and scroll; as such, visual literacy—the ability to analyze, understand, and create images—is vital to being critical and productive participants in our culture. This course explores how people use images to make meaning that can influence people's opinions, beliefs, attitudes, and behaviors. Students will engage with foundational and contemporary scholarship in visual rhetoric, analyze and critique a variety of visual and multimodal texts, compose images for their own rhetorical purposes to develop visual literacy skills, and gain knowledge and practice in the development of relevant independent research.

- 6540. DIGITAL RHETORIC AND WRITING.** (3-3-0). Explores the theories and practices of rhetoric and writing within digital environments, examining how communication strategies, persuasive techniques, and audience engagement are adapted and utilized across various digital platforms like social media, websites, and online forums, while considering ethical implications and the unique characteristics of digital communication. Focuses on how to interact with and analyze digital texts as well as how to create effective content as a writer and handle the graphical, multimedia, hypertext, and interactive elements that are involved in composition and publishing on digital platforms. Engages with scholarship in rhetoric, composition, communication, and media studies through the reading of academic texts and the development of relevant independent research.
- 6560. DIGITAL CULTURE THEORY AND PRACTICE.** (3-3-0). This course explores emerging practices and trends in digital culture and how those practices influence online writing and communication. Topics may include social networking sites, multi-player online environments, the blogosphere, the open source movement and online fan composition, and grassroots video and audio productions such as vlogs, web series, and podcasts. Students will learn the theoretical backgrounds of contemporary theories of digital culture and will create their own digital artifacts based on their theoretical and cultural knowledge.
- 6600. ADVANCED STUDY IN LANGUAGE AND SOCIETY.** (3-3-0). This course addresses the social scientific study of language. Students will learn essential principles of linguistics and linguistic anthropology while examining how languages reflect and shape cultures and social structures; how linguistic variation relates to social categories such as region, ethnicity, race, gender, and class; relationships among language, power, and identity; and how language change occurs. The course will include a survey of pertinent research from the beginning of linguistic studies regarding language and society to current research in the field. Prerequisite: Admission to graduate program in English or related field.
- 6610. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). Introduces students to the scientific study of language, covering core concepts like phonetics and phonology (sounds), morphology (word structure), syntax (sentence structure), semantics (meaning), and pragmatics (language use in context), aiming to equip students with a foundational understanding of how human languages are constructed, described and classified, and function across diverse linguistic systems. Engages with the scholarship of linguistics and many of its subfields through the reading of academic texts and the development of relevant independent research.
- 6620. THE HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE.** (3-3-0). Study of the historical development of the English language from its beginnings to contemporary forms. Prerequisite: Graduate standing.
- 6640. SYNTACTICAL THEORIES AND APPLICATIONS.** (3-3-0). Study in current formal, functional, and cognitive theories of syntax within the field of linguistics. Practice in applying theoretical perspectives to the analysis of language data in English and other languages. Explore the application of syntactic theories to other areas of knowledge.
- 6650. ADVANCED STUDIES IN LANGUAGE AND GENDER.** (3-3-0). This course examines the connections between human gender and communication with emphasis upon sociolinguistic analysis. The course will include a survey of pertinent research from the beginning of linguistic studies regarding gender and communication to current research in the field. Prerequisite: Admission to graduate program in English or related field.

- 6740. CORPUS LINGUISTICS: AN INTRODUCTION.** (3-3-0). The course serves to present the underlying theories, basic principles, and standard methods of developing and using digital text corpora for a variety of practical applications in linguistics and language research, teaching and learning, and writing. Students will study existing digital text corpora, including their purposes, advantages, and uses. For the final class project, each student will develop an application that can be employed for their own research, teaching/learning, or writing projects.
- 6880. WRITING FOR BUSINESS, INDUSTRY, AND TECHNOLOGY.** (3-3-0). This course focuses on the many roles of the technical writer in the workforce, including the development, dissemination, and evaluation of workplace communication standards and strategies, from planning documents and manuals to training sessions and supervision of others. It also introduces content/information management plans, data analysis, and use of mark-up languages.
- 6890. GRANT WRITING.** (3-3-0). This course provides an overview of grant writing. Topics covered will include funding sources, grant writing, grant reviews, sound grant management practices, and grant submission. Prerequisite: Admission to graduate program in English or related field.
- 6950. MASTER'S CAPSTONE.** (3-3-0). Research, writing, and revision leading to a research report which constitutes the degree completion project. Projects may be critical, creative, or practical, as appropriate to concentration. 21 credit hours of the degree must be completed to register for this course. Continuous enrollment required until project is accepted by the graduate school. May not be repeated for credit.

## EVENT MANAGEMENT (EVNT)

For Undergraduate Only

- 1000. INTRODUCTION TO EVENT MANAGEMENT.** (3-3-0). This course introduces students to the multidisciplinary field of events management, providing crucial knowledge and practical skills essential to success in the dynamic and diverse events industry. Students will examine the comprehensive nature of events management through the exploration of various event types including music, arts, corporate events, sports, tourism, and public/voluntary sector events.
- 2000. EXHIBITION MANAGEMENT.** (3-3-0). This foundational course introduces students to exhibition management, covering the planning, design, and execution of trade shows, conventions, and exhibition events. Students will examine industry structure, key stakeholders, and professional practices while developing practical skills in venue selection, exhibitor services, marketing, and event logistics. Students will learn through case studies and hands-on projects how to manage exhibitions from concepts through post-event evaluation. After completing the course, students will be prepared for entry-level careers in exhibition management, convention services, and related event fields.
- 2050. EVENT MANAGEMENT PRACTICUM.** (3-2-1). Students are required to complete a total of 75 work hours to gain firsthand knowledge and experience in the events industry by participating in various activities both on and off campus. These activities will encompass the pre-production, execution, and post-production of special events. Students will collaborate with the course instructor and industry partners to identify a series of short field experiences that will enable them to observe and participate in each designated function. Additionally, students will document and reflect on these learning experiences.

- 2110. SPECIAL TOPICS IN EVNT.** (3-3-0). Special topics in event management, selected in accordance with the needs of the student, faculty, and department. Individual and class study of specialized problems and foodservice systems development; for students who are interested in and need experience in a particular area of hospitality management. This is a lower-level course designed for freshman and sophomore level students and may be repeated, up to 6 credits earned.
- 3000. CONFERENCE AND MEETING PLANNING.** (3-3-0). This advanced course prepares students for professional careers in the meetings, events, and conference industry by developing critical competencies aligned with Meeting Professionals International (MPI) Emerging Meeting Professional (EMP) designation standards. Students will master strategic event planning, business acumen, and essential “future skills” through hands-on learning experiences, industry case studies, and real-world client projects. The course focuses on evolving from traditional event coordination to strategic business partnerships in an AI-driven landscape.

## FINANCE (FIN)

For Undergraduates Only

- 2150. PERSONAL FINANCE.** (3-3-0). Financial planning, budgeting, managing income, taxes, sources of credit, risk management and insurance, personal investing and buying a home or car.
- 3090. BUSINESS FINANCE.** (3-3-0). Financial statement analysis, working capital management, time value of money, capital structure, leverage, cost of capital theory and concepts, capital budgeting, pro forma statements and analysis, and securities valuation. Prerequisite: ACCT 2010, CIS 1090 or 2000, ECON 2000, and one of MATH 1060, 1090, 1100, 1810, 2010, 2050; SMAT 1820, 2000.
- 3100. MONEY AND BANKING.** (3-3-0). Origin, development, and functions of money; basic monetary theory, financial institutions of the U.S. and how they affect the volume of spending. (Same as Economics 3100). Prerequisites: Economics 2000, 2010; Finance 3090.
- 3130. PRINCIPLES OF INSURANCE.** (3-3-0). Nature, business and personal uses, regulations, provisions and coverage of life, health, home, auto liability and transportation insurance. Prerequisite: Junior standing and FIN 2150.
- 3150. REAL ESTATE.** (3-3-0). Nature and principles of real estate: interests, ownership, legal descriptions, encumbrances, transfer of titles, financing, brokerage, appraisal, contracts and legal aspects, and licensing laws and regulations. Hours toward real estate licensure only count for degree-seeking students. Prerequisite: Junior standing and FIN 3090.
- 3160. REAL ESTATE APPRAISAL I.** (3-3-0). Principles and concepts of real estate valuation, value theory, and professional standards and methodology. Prerequisite: Junior standing and FIN 3090.
- 3320. LIFE, ACCIDENT, AND HEALTH INSURANCE.** (3-3-0). Principles of personal and business life, accident and health insurance: types of policies, contract provisions, premiums, policy selection, underwriting, employee benefit plans, and the organization, management and regulation of insurance companies. Prerequisite: Junior standing and FIN 2150.
- 4020. FINANCIAL MARKETS AND INSTITUTIONS.** (3-3-0). This course provides an understanding of the role of financial institutions in the economy and how they operate. Topics include financial markets and instruments, regulation of financial institutions, loan analysis, securitization of asset portfolios, and the management of deposits. Prerequisites: 3090.

- 4050. INTERNATIONAL FINANCE.** (3-3-0). This course examines the principles of international trade, foreign exchange markets, and international operations. Topics include comparative advantage, balance of payments, currency derivatives, international banking, and financial statements. Prerequisites: 3090, 3100 and BUAD 3270.
- 4110. SPECIAL PROBLEMS IN EVNT.** (3-3-0). Special problems in event management, selected in accordance with the needs of the student, faculty, and department. Individual and class study of specialized problems and foodservice systems development; for advanced students who are interested in and have a need for work in a particular area of hospitality management. Upper-level course with heavy emphasis on student leadership and professional development.
- 4120. PRINCIPLES OF INVESTMENTS.** (3-3-0). Types of securities; money markets and capital markets; security analysis; portfolio management. Prerequisites: 3090, Economics 2000, 2010.
- 4150. PORTFOLIO MANAGEMENT.** (3-3-0). This course focuses on analytical methods of evaluating assets for inclusion in a portfolio. Financial assets are analyzed on an individual basis and in relationship to other assets in order to determine efficient risk and return tradeoffs. Prerequisites: 4120.
- 4200. FINANCIAL POLICIES AND PRACTICES.** (3-3-0). Application of financial management principles to situations involving decisions with emphasis on financial analysis using problems and cases. Prerequisite: 3090 and junior standing.
- 4220. STATEMENT ANALYSIS.** (3-3-0). Comparative analysis of financial statements; information processing and reporting for the purpose of understanding accounting information. Emphasizes the concepts associated with compilations and review services performed in accordance with generally accepted accounting principles. (This course is the same as ACCT 4220). Prerequisite: 3090.
- 4320. DATA ANALYSIS FOR ACCOUNTING AND FINANCE.** (3-3-0). Introduction to tools used to collect, analyze, and present financial data in order to improve decision making. This course is cross listed with ACCT 4320. Prerequisite: FIN 3090.

## FINE ARTS (FA)

For Undergraduates Only

- 1040. EXPLORING THE ARTS.** (3-3-0). The fine arts (music, visual art, drama, and dance) as they relate to the human experience. Related subjects such as film and architecture will also be discussed.

For Graduates Only

- 5040. LEARNING TO TEACH FINE ARTS SURVEY.** (3-3-0). Teaching the Fine Arts (Music, Visual Art, and Theatre/Dance) as they relate to the human experience, including relationships with the political and social histories of various cultures. Prerequisites: Undergraduate degree and admission to NSU Graduate Program.

## FRENCH (FREN)

For Undergraduates Only

- 1010. INTRODUCTION TO FRENCH.** (3-3-0). Introduction to Francophone culture and language using contemporary materials and techniques.
- 1020. BEGINNING FRENCH.** (3-3-0). Basic conversational French through the discovery of vocabulary, grammar, and culture. Prerequisite: FREN 1010.

- 2010. ELEMENTARY FRENCH.** (3-3-0). Conversational French through the continued study of vocabulary, grammar, culture, and reading. Prerequisite: FREN 1020.
- 2020. INTERMEDIATE FRENCH.** (3-3-0). Intermediate conversational French through the advanced study of Francophone cultures. Prerequisite: FREN 2010.
- 3050. PROFESSIONAL FRENCH COMPOSITION.** (3-3-0). Development of professional written skills in French through the in-depth study of the use of written structures. Topics include formal business communications in the digital age, professional social media posts, letter formats in the Francophone world. Prerequisite: 2020.
- 3080. PROFESSIONAL FRENCH CONVERSATION.** (3-3-0). Development of oral skills in a professional setting. This course will focus on workforce vocabulary, business presentations, formal conversations and interviews. Heavy emphasis on oral comprehension skills in the workplace. Prerequisite: 2020.
- 3090. ADVANCED PROFESSIONAL FRENCH CONVERSATION.** (3-3-0). Continuation of 3080. Particular emphasis on advanced business conversations and formal presentations on specialized topics. Preparation for the DFPro – Diplomas in Professional French Language Studies – a certification offered by the French government for all foreign nationals wishing to certify their knowledge of French for professional purpose. Prerequisite: 3080.
- 3890. DIRECTED STUDIES.** (3-3-0). This directed study course is designed to enable advanced Professional French Studies minors to pursue independent research under the guidance of a foreign language faculty member. This course will offer students the opportunity to work in a focused area and in the environment that allows for considerable individual attention. Prerequisite: Consent of the instructor.
- 4110. INTRODUCTION TO FRENCH AND FRANCOPHONE CULTURE.** (3-3-0). This class will be a survey of French and Francophone culture with a special emphasis on professional culture in the Francophone world. This course will contextualize the use and knowledge of history, literature, politics and sports in a professional setting. Prerequisite: 2020.
- 4120. PROFESSIONAL TRANSLATION.** (3-3-0). An analytic approach to the structures of French and English; strategies and techniques for the translation of texts; emphasis on professional translation and interpretation. This course will develop the use of digital tools and critical thinking in a professional setting. Emphasis on French to English translation. Prerequisite: 3050 or approval of instructor.
- 4130. FRENCH IMMERSION.** (3-3-0). This course is specifically designed for students studying abroad (in France or a Francophone country) for a semester. This course will develop cross-cultural awareness in an immersion setting. This course will focus on a semester-long research project. Prerequisite: 3080 or approval of instructor.
- 4960. FRANCOPHONE FILM.** (3-3-0). This course will give students an introduction to the history of film production throughout the French-speaking world. Students will learn the basic elements of cinematic language while studying francophone films in their cultural and historical contexts. Issues such as nationalism, colonialism, immigration, gender, sexuality, and globalization will be explored. Taught in English. Prerequisite: ENGL 2070 or ENGL 2110.

## GEOGRAPHY (GEOG)

For Undergraduates Only

- 1010. WORLD REGIONAL GEOGRAPHY -THE DEVELOPED WORLD.** (3-3-0). A comprehensive examination of Europe, Russia, North America, East Asia, and Australia/New Zealand utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
- 1020. WORLD REGIONAL GEOGRAPHY-THE DEVELOPING WORLD.** (3-3-0). A comprehensive examination of Middle and South America, Africa, Southwest Asia, South Asia, and Southeast Asia utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
- 2010. PHYSICAL GEOGRAPHY.** (3-3-0). Introduction to an investigation of the locational aspects of natural earth phenomena (i.e., phenomena not produced or primarily controlled by humans) including earth-sun relations, weather and climate, surface features (landforms and water bodies), natural vegetation, soils, and ecosystems.
- 2020. CULTURAL GEOGRAPHY.** (3-3-0). An examination of the historical development, visual character, representation and continuing evolution of the diverse cultural landscapes and behavioral patterns of the world. Special attention is paid to the relationship between those landscapes and the people who have created them. These relationships are viewed within a variety of frameworks such as cultural regions, cultural elements and diffusion, population movement and migration, and the spatial patterns of language, religion, and social problems.
- 2030. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification.
- 2031. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Laboratory to accompany Introduction to Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: Enrollment in 2030.
- 3030. GEOGRAPHY OF AFRICA.** (3-3-0). A regional survey of Africa's unique physical geography as well as the diverse cultural landscapes of the continent. The continent's complex political, social, economic, and historical geography are explored. The continent is examined particularly with regard to its important status in the global economy and in relation to the many problems that shadow the African world. Prerequisite: 1010 or 1020 or consent of instructor.
- 3050. GEOGRAPHY OF NORTH AMERICA.** (3-3-0). A regional survey of North America. The course emphasizes not only the physical environment, but also the historical, cultural, economic, and political evolution of the region. Prerequisite: 1010 or 1020 or consent of instructor.
- 3060. GEOGRAPHY OF EUROPE.** (3-3-0). A regional survey of Europe's natural and cultural landscapes, with special attention to recent political, economic, and social changes. The region is examined not only with respect to internal dynamics, but also to its position in international relations. Prerequisite: 1010 or 1020 or consent of instructor.
- 3080. GEOGRAPHY OF LATIN AMERICA.** (3-3-0). A regional survey of Latin America's diverse natural and physical environment as well as the region's complex political, economic, and historical geography. The region is examined particularly with regards to its important status in relation to the United States and the global economy. Prerequisite: 1010 or 1020 or consent of instructor.
- 3100. ECONOMIC GEOGRAPHY.** (3-3-0). An examination of the basic principles of economic geography, including location, characteristics, relationships of primary, secondary, and tertiary economic activity; measurements and theories of location of economic endeavor, and issues of globalization.
- 4010. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components and applications of GIS technology, data availability and format, data models, spatial analysis, map projections, and georeferencing. Corequisite: 4011.
- 4011. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-1). Laboratory to accompany Advanced Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: 4010.

- 4060. FIELD METHODS IN CULTURAL GEOGRAPHY.** (3-3-0). Application of field techniques in cultural geography; observation, tabulation, and analysis of landscape data in written reports and maps. Prerequisite: 2020.
- 4070. THE SOUTHERN UNITED STATES.** (3-3-0). The Natural environment, resources, settlement, land use, industrial development, and regional organization of the American South. Prerequisite: 1010 or 1020 or permission of the instructor.
- 4100. INTERPRETING CULTURAL LANDSCAPES.** (3-3-0). This course provides the student with an intensive exploration of the interrelated concepts of culture and landscape with a particular emphasis on how these concepts pertain to historic preservation and heritage resources. Urban landscapes that will be considered include but are not limited to courthouse squares, monuments, waterfronts, commercial areas, and industrial zones; rural landscapes include plantations, small farms, country stores, crossroad hamlets, and environmentally sensitive areas such as forests and wetlands. Prerequisites: 1010 or 1020 or 2020.

## GEOLOGY (GEOL)

For Undergraduates Only

- 1030. PHYSICAL GEOLOGY.** (3-3-0). Nature and structure of materials of the earth; processes which shaped or are shaping the earth. Prerequisite: Registration in or credit for 1031. (Students may not receive credit for both Geology 1030 and Science 2030.)
- 1031. PHYSICAL GEOLOGY LABORATORY.** (1-0-3). Rocks and rock-forming minerals; topographic maps, aerial photographs, and geologic structures. Prerequisite: Registration in or credit for 1030.
- 1040. HISTORICAL GEOLOGY.** (3-3-0). Origin and geological history of the earth and development of its animal and plant inhabitants revealed in rocks and fossils. Prerequisites: Registration in or credit for 1041, 1030-1031.
- 1041. HISTORICAL GEOLOGY LABORATORY.** (1-0-3). Identification and morphology of common fossils; geologic maps, folios, and structure sections. Prerequisite: Registration in or credit for 1040.

For Graduates Only

- 5000. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS.** (3 to 4-0-0). Earth in the solar system; nature of materials composing the earth; processes which have shaped and are shaping the earth; rocks, minerals, soils, fossils; topographic features and their origin; origin and economic significance of rock structures; origin and geological history of the earth; evolution of animals and plants; topographic and geological maps and aerial photographs. Prerequisite: Registration in or credit for 5001.
- 5001. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS LABORATORY.** (1 to 2-0-0). Prerequisite: Registration in or credit for 5000.

## GLOBAL SECURITY AND INTELLIGENCE (GSI)

For Graduates Only

- 6000. TERRORISM IN THE 21<sup>ST</sup> CENTURY.** (3-3-0). This course takes an unbiased approach to terrorism today and offers a lens into the history and status of terrorism around the world. It provides a global perspective and addresses in depth different regions of the world and the terrorist groups in each region. Students will examine terrorist events and groups, analyze responses to terrorist attacks, and scrutinize the resulting changes in terrorist strategies. Building from historical backgrounds to predictions about terrorism in the twenty-first century, students will step through each continent mapping out current and future trends we face.

- 6010. ORGANIZATIONAL LEADERSHIP.** (3-3-0). This course presents a comprehensive and integrative approach to leadership and management. It is based upon a frame work that analyzes leadership and management at three different levels: tactical, operational, and strategic leadership at the organizational level. The student will view various leadership applications and then design a leadership plan that will work for them.

- 6020. PHILOSOPHY OF ETHICS.** (3-3-0). This course begins with an exposure to classic readings in philosophy, which are supplemented with contemporary readings in socio-technical systems from the global perspective including: Eastern, Western, and indigenous approaches to appropriate technology. Students will identify moral dilemmas and choices in organizational life and professional careers. It also examines how one can build or contribute to the development of the 'good' in organizational structures.

- 6030. RESEARCH METHODS AND METHODOLOGY.** (3-3-0). This course exposes the student to qualitative and quantitative research methodologies. The primary focus of the course is the utilization of mixed methods research, an integrative format that seeks to facilitate the best approach for problem solving. The students will engage in practical applications of quantitative, qualitative and mixed methods research models through the use of systematic techniques for conducting research that utilizes the appropriate tools for specific research problems, while understanding the limitations and strengths of each method.

- 6040. INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY.** (3-3-0). This course identifies methods in which psychological and social-psychological theories and research have been applied to understand and enhance the effectiveness of leaders in an organizational environment. Students will study organizational effectiveness and psychological principles in organizational and interpersonal dynamics.

- 6050. POLICY AND GOVERNANCE IN MULTI-AGENCY COLLABORATION.** (3-3-0). The course examines the formation and creation of policies used in a multi-agency organization. The course uses an intentional interdisciplinary focus (e.g. psychology, sociology, economics, and political science) to understand the complex nature of organizations in developed and developing societies.

## GLOBAL STUDIES (GLST)

For Undergraduates Only

- 3000. GLOBAL STUDIES SEMINAR.** (1-1-0). A capstone course for the global studies minor; review of global issues such as population, water, food, terrorism, health, climate change, capabilities and economic development, human rights, and globalization. Prerequisites: permission of instructor; permission will be based on past participation in a study abroad program as an undergraduate lasting at least one week or 15 hours of courses in a single foreign language.
- 4000. ADVANCED GLOBAL STUDIES SEMINAR.** (1-1-0). A capstone course for the global studies minor; review of global issues such as population, water, food, terrorism, health, climate change, capabilities and economic development, human rights, and globalization. Prerequisites: permission of instructor; permission will be based on past participation in a study abroad program as an undergraduate lasting at least a semester.

## HEALTHCARE (HC)

For Graduates Only

- 5010. RESEARCH I.** (3-3-0). This course examines qualitative, quantitative, and mixed research methodologies, as well as statistical analyses, that are suitable for the research process in healthcare. Prerequisite: Completion of an undergraduate research or statistics course.

- 5030. LEGAL AND REGULATORY ISSUES IN HEALTHCARE.** (3-3-0). This course explores legal and regulatory issues in healthcare education and administration. Topics may include: HIPAA, FERPA, ADA, institutional and programmatic accreditation requirements, state and federal regulatory guidelines, copyright, and plagiarism.
- 5110. RESEARCH II.** (3-3-0). This course provides opportunities to develop skills in information literacy including critical analyses of published research. Students will synthesize information from multiple resources to produce a literature review related to healthcare. Prerequisite: HC 5010.
- 5123. DATA COLLECTION AND ANALYSIS.** (3-3-0). This course provides an overview of methods for data collection related to research questions, methods for analyzing the data collected, and methods for presenting and communicating results and findings. Prerequisite: HC 5010.
- 5910. APPLIED RESEARCH.** (3-3-0). Students will apply principles from Research I and Research II to develop a graduate-level research paper. Students must register for this course each semester until the research paper is satisfactorily completed. Prerequisite: HC 5110.
- 5980. THESIS.** (3 to 6-3 to 6-0). Students will apply principles from Research I and Research II to develop a graduate-level thesis. Students must register for this course each semester until the thesis is satisfactorily completed and approved. Prerequisite: HC 5110.

## HEALTH EDUCATION (HED)

For Undergraduates Only

- 1010. FIRST AID & CPR.** (3-3-0). This course covers first aid measures for injuries and sudden illness, general safety education, accident causes, and care. American Heart Association certification in cardiopulmonary resuscitation is available for students completing requirements with successful completion of practicum and written certification exams.
- 1090. PERSONAL AND COMMUNITY HEALTH.** (3-3-0). Basic health information for intelligent self-decisions regarding healthy behaviors; physiological and psychological effects of substances such as drugs, tobacco smoking, and alcohol; sexuality and other critical personal issues; psychosocial and environmental aspects of community health.
- 2000. INTRODUCTION TO HEALTH EDUCATION.** (3-3-0). Overview of health education with emphasis on health behavior and delivery of health education in school, community, and corporate settings; exploration of career opportunities and basics of program development. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in the MATH sequence) with a grade of "C" or higher.
- 2010. PREVENTION AND CARE OF ATHLETIC INJURIES.** (3-3-0). Prevention and rehabilitation of athletic injuries; conditioning; bandaging and taping; diet; massage; use of hydrotherapy and cryotherapy and other modalities in the treatment of injuries. Prerequisite: 1010.
- 2030. PRACTICUM IN ATHLETIC TRAINING.** (2-0-10). Practical experience in NSU Athletic Training room; set-up of equipment, materials and supplies; first aid, taping and bandaging, and rehabilitation of athletic injuries. Prerequisite: 2010.
- 3000. COMMUNITY HEALTH PROMOTION.** (3-3-0). The study of the structure and function of community health. Discussion of critical health problems of public concern, fundamentals of epidemiology, community health planning, and identification and use of official and voluntary agencies and resources.

- 3010. ADVANCED ATHLETIC TRAINING.** (3-3-0). Continuation of 2010. Advanced discussion and techniques of assessment and rehabilitation; modalities and protocols for treating injuries; conditioning. Prerequisites: 2010 and 2030.
- 3100. NUTRITION AND OPTIMAL PERFORMANCE.** (3-3-0). This course is a study of nutrition as it relates to optimum performance and health. Nutrient needs, sources, functions, and interactions will be reviewed according to the latest scientific findings. Principles of body conditioning will be emphasized with attention to diet and lifestyle practices that promote health and decrease risks of nutrition-related diseases.
- 3160. HEALTH EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-3-0). Materials and methods for teaching health education in elementary schools. Prerequisite: Admission to candidacy in teacher education.
- 4000. HEALTH AND EXERCISE PSYCHOLOGY.** (3-3-0). Designed to provide students employed in health and wellness settings on understanding of the psychological and sociological factors affecting healthy lifestyle choices. Particular emphasis is placed on exercise adoption and adherence.
- 4030. CLINICAL SPORTS MEDICINE.** (3-1-12). Clinical and practical experience working in NSU Athletic Training room, with orthopedic medical practice, and with registered physical therapist. Prerequisite: 3010 and consent of instructor.
- 4500. SEXUALITY EDUCATION.** (3-3-0). Variety of topics in human sexuality; reflecting and evaluating values and attitudes about sexuality education.
- 4600. DRUG AND ALCOHOL EDUCATION.** (3-3-0). Dissemination of current information related to legal and illegal drugs. Emphasis is placed on psychosocial issues associated with drug use and abuse; development of appropriate and effective instructional strategies for use by prospective and current teachers.
- 4880. METHODS AND MATERIALS OF K-12 HEALTH EDUCATION.** (3-3-0). A study of up-to-date materials, methods, and strategies for health educators. Emphasis will be placed on planning, organization and the development of curricula and evaluative methods. Prerequisite: Admission to teacher candidacy or teacher certification. Requires 45 observation hours.
- 4940. SAFETY EDUCATION.** (3-3-0). Causes and prevention of accidents in home, school, traffic, industry, and recreational activities in the gymnasium, on the playground, and in aquatic sports; laws concerning legal liability; accident and liability insurance. Prerequisite: Junior standing.
- 4950. CURRICULUM INNOVATIONS AND INSTRUCTIONAL DEVICES IN DRIVER EDUCATION.** (4-2-4). Curriculum materials, instructional devices, and techniques including simulation, multi-media, driving range, on-street instruction, and motorcycle.

For Graduates Only

- 5000. STATISTICS FOR HEALTH PROMOTION.** (3-3-0). Statistical procedures applied to sport, health, and recreation research data and measurement; emphasis on concepts rather than computations; use of statistical package SPS.
- 5020. RESEARCH IN HEALTH PROMOTION.** (3-3-0). Identification, discussion, and development of research knowledge and skills in health and human performance; use of published research and readings to design and develop a research journal model. Prerequisite: HED 5000.
- 5100. INTRODUCTION TO HEALTH PROMOTION.** (3-3-0). An introduction to the field of health promotion in the workplace, community and hospital settings. Students will review current practices in health promotion and become familiar with a variety of health issues that impact individuals and the community.

- 5200. HEALTH BEHAVIOR.** (3-3-0). Understanding the relationship between mental, emotional, and social health and behavioral change. The primary focus is on the psychological and sociological factors that affect life health choices and quality of life.
- 5250. STRATEGIES FOR HEALTH PROMOTION.** (3-3-0). Identification of health promotion strategies that focus on individuals, groups, and communities to bring about behavioral and environmental changes leading to better health; development of strategies for effective utilization of health information.
- 5300. PLANNING AND ORGANIZING HEALTH PROMOTION PROGRAMS.** (3-3-0). Health promotion techniques and programs. Emphasis is given to examination of existing program models and the review of scientific literature concerning the planning and organization of health promotion. Prerequisite: HED 5250.
- 5370. RESEARCH PROJECT IN HEALTH PROMOTION.** (3-0-0). The analysis of a topic in health promotion based on current information in the discipline. Students will select a topic in health promotion and then develop a project/paper based on an appropriate research design and format. Open only to graduate students in the Health Promotion Master of Science degree program. Prerequisites: Completion of 18 hours of coursework in the Health Promotion program, including health content courses and HED 5020. Can be taken concurrently with HED 5990.
- 5400. IMPLEMENTING AND EVALUATING HEALTH PROMOTION PROGRAMS.** (3-3-0). Marketing of health promotion programs and development of evaluation protocols. Emphasis is placed on application of concepts, review and utilization of current research literature in the field. Prerequisite: 5300.
- 5450. SPORTS NUTRITION.** (3-3-0). Nutrition as it relates to sport performance. Topics include sources of nutrition for athletes; relationship between nutrition and optimal athletic performance; factors that impact nutrition needs in athletes; and developing specific nutrition plans for athletes based on sport type.
- 5470. EVALUATION AND EXERCISE PRESCRIPTION IN HEALTH PROMOTION.** (3-3-0). Basic physiological concepts applied to exercise; exercise prescription for variety of populations; examination of policies and procedures in programming as recommended by the American College of Sports Medicine.
- 5600. EPIDEMIOLOGY.** (3-3-0). The study of the determinants, distribution, and control of health problems. Students will become familiar with epidemiological investigation and various methods to describe the health of human populations.
- 5980. THESIS.** (3 to 6-0-0).
- 5990. INTERNSHIP IN HEALTH PROMOTION.** (3-0-40). An on-site health promotion practicum in a corporate, community, hospital, or school setting that provides the student with practical experiences. Students will work under the supervision of a professional in their selected internship. Prerequisite: 18 hours of graduate degree courses, including HED 5020. Can be taken concurrently with HED 5370.

## HISTORY (HIST)

For Undergraduates Only

- 1010. EARLY WORLD CIVILIZATION.** (3-3-0). Earliest cultures to 1648, contributions of the Romans and the Christian Church, feudalism and rise of national states, the Renaissance and Reformation.
- 1020. MODERN WORLD CIVILIZATION.** (3-3-0). Since 1648; mid-19th century revolution; nationalism and political reorganization; social, economic and cultural developments, commercial rivalry and colonial expansion; the system of alliances, wars and readjustments.

- 2010. HISTORY OF THE UNITED STATES.** (3-3-0). Colonial foundations; movement for independence; early years of the Republic; national growth and expansion; sectionalism and the Civil War.
- 2020. HISTORY OF THE UNITED STATES.** (3-3-0). Reconstruction; industrial expansion and related problems; imperialism; World War I and aftermath; depression and New Deal; World War II; U.S. since the war.
- 3000. THE HISTORIAN'S CRAFT.** (3-3-0). An introduction to the study of history, critical thinking, historical thought and theory, and writing and research skills and expectations.
- 3010. BIBLICAL HISTORY.** (3-3-0). Judaism and Christianity from Semitic background to fall of the Jewish state in A.D. 70. The Old Testament era; interbiblical period and early Christianity. Modern archeological discoveries; the Old Testament as a historical document. Prerequisites: 1010 and consent of instructor.
- 3040. HISTORY OF LOUISIANA.** (3-3-0). Discovery and exploration; French and Spanish colonial administration; early American period and emergence as a Southern state with emphasis on Louisiana's role in the antebellum South, Civil War, and Reconstruction; emergence of modern Louisiana.
- 3060. THE OLD SOUTH: 1492-1865.** (3-3-0). The Old South is a survey of the American South from colonization to the end of the Civil War. We will discuss how environment and climate shaped the ways Native Americans lived in the area before "contact" in 1492. The South as a region of contention between various European powers constitutes part of the area's history, along with the singular importance of a uniquely southern economy. Finally, as part of the United States, themes of race, expansion, and sectional conflict will dominate the story of the Old South until the outbreak of the Civil War.
- 3070. THE CONTEMPORARY SOUTH.** (3-3-0). South in the Nation; individualism of the region and component parts; economic, social, and political problems since the Civil War.
- 3090. ANCIENT HISTORY.** (3-3-0). Civilization from beginnings in Egypt and Babylonia to collapse of the Roman Empire. Prerequisite: 1010.
- 3100. MEDIEVAL HISTORY.** (3-3-0). Europe from fall of the Roman Empire in the west to the Renaissance. Prerequisite: 1010.
- 3110. THE RENAISSANCE AND REFORMATION.** (3-3-0). Europe from mid-13th century through the Thirty Years' War; changing economic and political structure; intellectual and social impact of the Renaissance and the Protestant Revolt and counter Reformation. Prerequisites: 1010, 1020.
- 3120. HISTORY OF EUROPE (1648-1789).** (3-3-0). Wars of religion and the English revolutions; the age of Louis XIV; the Enlightenment. Prerequisites: 1010, 1020.
- 3140. THE AMERICAN WEST.** (3-3-0). Advancement of the Western Frontier from 1783 to 1890; Indian administration, fur trade, mining activities, and cattle industry; the West in the development of American institutions. Prerequisites: 2010, 2020.
- 3220. MODERN FRANCE.** (3-3-0). The Legacy of the Great Revolution; political, social, and cultural history of France since 1815. The Bourbon Restoration, the July Monarchy, the Second Republic and Second Empire. Third, Fourth, and Fifth Republics. Prerequisite: History 1010, 1020, or consent of instructor.
- 3240. MILITARY HISTORY OF THE U.S.** (3-3-0). U.S. at war since the colonial beginnings. Inter-relationship of political, economic, social, and military factors. Evolution of U.S. armed forces as instruments of civilian authority. Theory and practice of warfare, strategy, and tactics. Prerequisites: 2010, 2020 or consent of instructor.



- 3250. THE FRENCH REVOLUTION AND NAPOLEON.** (3-3-0). Revolutionary Europe from 1789 to 1815; political, economic, social and religious developments to 1799; consolidation of the Revolution under Napoleon and the European upheaval of war. Prerequisites: 1010, 1020 or consent of instructor.
- 3330. WOMEN, GENDER, AND SEXUALITY IN UNITED STATES HISTORY.** (3-3-0). A historical survey of how perceptions and performances of gender and sexuality have informed lived experience in the United States and the nation's history, with an emphasis on the varied experiences of women in the United States.
- 3400. THE CIVIL WAR, 1861-1865.** (3-3-0). Major campaigns, battles, and leaders of the War; domestic and foreign events related to the War. Prerequisites: 2010, 2020.
- 3500. RUSSIA, EASTERN EUROPE, AND CENTRAL ASIA.** (3-3-0). The history and geography of Russia, Eastern Europe, and Central Asia from the medieval era to the present. Examines the civilizations of the Eurasian Steppe; the medieval origins of Poland, Hungary, and Russia; the Mongolian Empire; early modern statehood and consolidation; Russian expansion and empire; modernization and social crisis; World War I and the 1917 revolutions; the Soviet Union; and contemporary geopolitical and social challenges.
- 3510. AFRICAN-AMERICAN HISTORY THROUGH RECONSTRUCTION.** (3-3-0). An introduction to Black history in the U.S. through the end of reconstruction.
- 3520. AFRICAN-AMERICAN HISTORY AFTER RECONSTRUCTION.** (3-3-0). An introduction to Black history in the US since the end of reconstruction, emphasizing social movements.
- 3600. THE CITY: PAST, PRESENT, & FUTURE.** (3-3-0). The history and geography of cities and urbanization, from the birth of civilization to innovative models for the city of the future. Examines historical interpretations of urbanization, prevailing models for urban planning, and the political, social, and economic challenges of the contemporary city.
- 4000. HISTORY RESEARCH METHODS.** (3-3-0). An advanced seminar on the nature and methodology of history. The class will demonstrate to students how to master the process of historical research. Students will complete the framing of research questions, including the location, analysis, and evaluation of sources. The course objectives include providing students with the information, the skills, and the tools they will need to be active members of the historical profession. Prerequisite: HIST 3000.
- 4010. HISTORY OF MODERN CHINA.** (3-3-0). A survey of the major political, social, economic, and intellectual events and trends in the history of modern China from the 1600s to contemporary times, focusing primarily on the decline and fall of the Qing Dynasty, the influence of western ideas on China, the Chinese Civil War and its aftermath, and China's growing role in East Asia and in the world.
- 4070. SLAVERY IN THE AMERICAS.** (3-3-0). A comparative survey of slavery in the western hemisphere. This course explores the various intellectual, social, political, legal, and economic factors that led to the creation and perpetuation of slave regimes throughout North and South America and the Caribbean basin. This course also addresses the mechanisms by which those slave regimes were destroyed. Prerequisite: 2010 or 3060 or consent of instructor.
- 4080. SPECIAL PROBLEMS IN AMERICAN HISTORY.** (1 to 3-3-0). Prerequisites: Major or minor in history; senior standing; consent of instructor.
- 4090. SPECIAL PROBLEMS IN EUROPEAN HISTORY.** (1 to 3-3-0). Prerequisites: Major or minor in history; senior standing; consent of instructor.
- 4110. HISTORY OF MODERN JAPAN.** (3-3-0). A survey of the major political, social, economic, and intellectual events and trends in the history of modern Japan from the 1600s to contemporary times, focusing primarily on the rise and fall of the Tokugawa Shogunate, the Meiji Restoration and the influence of western ideas on Japan, the increase of Japan's power and influence in East Asia and World War I, the imperial period and World War II, and Japan's postwar reconstruction, economic recovery, and its role in the world. Prerequisites: 1020, junior standing, or consent of instructor.
- 4120. HISTORY OF AMERICAN FOREIGN RELATIONS.** (3-3-0). The development of the United States as a world power and its diplomatic, economic, and cultural relations with the world through such events and ideas as the American Revolution, the Napoleonic Wars, nationalism, Civil War, imperialism, colonialism, Pan-Americanism, World Wars I and II, the abandonment of isolationism, the Cold War, and crises in the Middle East. Prerequisites: 2010, 2020, junior standing, or consent of instructor.
- 4140. ANCIENT GREECE.** (3-3-0). Ancient Greek civilization from the Bronze Age through the Hellenistic Period. Prerequisite: 1010 or consent of instructor.
- 4150. ROMAN REPUBLIC AND EMPIRE.** (3-3-0). Roman civilization from its legendary beginnings through the Republic and Empire, to the 'Fall of Rome' in AD 476. Prerequisite: 1010 or consent of instructor.
- 4310. COLONIAL AMERICA (1492-1754).** (3-3-0). Discovery, exploration, and founding of the American colonies, colonial administration; development of American political and social institutions; intercolonial struggles for North America. Prerequisite: 2010.
- 4240. VIETNAM AND THE WORLD.** (3-3-0). This course will analyze Vietnam's struggle for independence over the last hundred years, as well as its influence in East Asia and on China, Japan, France, the United States, and individuals involved. Prerequisite: Junior standing or consent of instructor.
- 4320. REVOLUTIONARY AMERICA (1754-1783).** (3-3-0). French and Indian War, the British imperial system; the Revolutionary War, its causes and results. Prerequisite: 2010.
- 4330. THE EARLY AMERICAN REPUBLIC (1783-1828).** (3-3-0). The United States in the aftermath of independence and years of struggle in the confederation period to the transformative election of 1828. Creation of the new government under the Constitution and the birth of political parties. Ideas of nationalism and identity during the early decades of the nation. Economic change, class conflict, and new understandings of gender roles brought about by the repercussions of the Revolution. The place of chattel slavery in the republic. Prerequisite: HIST 2010 or 2020.
- 4340. THE U.S. IN THE ANTEBELLUM PERIOD ( 1828-1860).** (3-3-0). Social transformations and politics in America from the presidency of Andrew Jackson to the eve of the Civil War. Themes of the class will include the market economy, Indian Removal, the Second Great Awakening, and intellectual movements in the middle decades of the 19th century including abolition and women's rights. Particular attention to continental expansion, the institution of slavery, and national conflicts leading to disunion. Prerequisite: HIST 2010 or 2020.
- 4350. AMERICA IN TRANSITION (1865-1912).** (3-3-0). Political, economic, and social events of the post-Civil War and modern industrial era including Reconstruction; the New South and the installation of Jim Crow; the New West; Emergence of modern industrialism and urbanization; immigration; organization of farmers and laborers; Expansion of the American Empire; and the Progressive movement. Prerequisites: HIST 2010 & 2020 or consent of instructor.

- 4360. THE UNITED STATES, 1912-1945.** (3-3-0). Wilsonian Progressivism and World War I; the Republican era of the 1920s; the Great Depression; the New Deal; issues related to race, gender, and social and economic inequality during this era; World War II, political, economic, and technological developments between 1912 and 1945.
- 4380. HISTORY OF EUROPE (1815-1870).** (3-3-0). End of the Napoleonic era; Congress of Vienna and the Congress system; revolutions of 1830 and 1848; unification of Italy and Germany. Prerequisites: 1010, 1020.
- 4390. HISTORY OF EUROPE (1870-1918).** (3-3-0). Alliances; economic and political imperialism; World War I and its origins. Prerequisites: 1010, 1020.
- 4400. EUROPE 1918-1945.** (3-3-0). A history of Europe from 1918 through World War II. The Paris Peace Conference, the Russian Revolution, and the rise of Fascism and Nazism. An examination of social, economic, and cultural developments in interwar Europe, as well as Europe's relations with the world. The causes, effects, and outcomes of World War II in Europe. Prerequisites: 1020, or consent of the instructor.
- 4420. HISTORY OF ENGLAND TO 1689.** (3-3-0). Formation of the English people and nation; early legal and constitutional development; struggle between King and Parliament; overseas expansion to the Glorious Revolution. Prerequisites: 1010, 1020 or consent of instructor.
- 4430. HISTORY OF ENGLAND SINCE 1689.** (3-3-0). Consolidation of constitutional evolution; economic, political, and social revolutions of the 18th and the 19th centuries; colonialism and emergence of the Commonwealth of Nations; British role in international affairs of the 20th century. Prerequisites: 1010, 1020 or consent of instructor.
- 4440. MODERN GERMANY.** (3-3-0). German institutions and their role in western civilization. German unification and the Second Reich; the First World War; the Weimar Republic; Hitler's Third Reich, the Holocaust, and post-World War II Germany. Prerequisites: 1010, 1020, or consent of instructor.
- 4450. THE UNITED STATES, 1945-1968.** (3-3-0). End results and implications of World War II; Cold War and effect on foreign and domestic policy; post-World War II Civil Rights Movement and issues relating to race, gender, and social and economic inequality to 1968; political, economic, and technological development of the nation to 1968.
- 4460. THE CREOLE EXPERIENCE IN AMERICAN HISTORY.** (3-3-0). Survey of the history of Creoles in the United States from the convergence of Africans, American Indians, and Europeans in the Americas during the colonial period to the present-day movement to revitalize and recognize Louisiana Creole culture and people and their contributions to US history. Prerequisites: None, HIST 2010, HIST 2020, and/or HIST 3040 are recommended.
- 4470. EUROPE SINCE 1945.** (3-3-0). A history of Europe since World War II. The Cold War and the division of Europe. The social, economic, and cultural transformation of Western Europe. The rise and fall of the Soviet Bloc. The end of the European empires in Asia, Africa, and the Middle East. The crises of 1968, new social and political movements, economic downturn, the emergence of terrorism and Europe's political responses. The formation of the European Union, the challenge of immigration, and renewed ethnic conflicts. Prerequisites: 1020, or consent of instructor.
- 4480. NUCLEAR WEAPONS IN WORLD AFFAIRS.** (3-3-0). A historical study of the role played by nuclear weapons technology and politics since the early 20<sup>th</sup> century. The course is intended to highlight the interaction of science and international security.

- 4500. UNITED STATES SINCE 1968.** (3-3-0). Political, social, cultural, economic, diplomatic, technological, and military developments in the United States since 1968; results and implications of movements for racial, ethnic, gender, and political equality since 1968.

- 4990. PUBLIC HISTORY INTERNSHIP.** (3 to 12-0-3 to 12). Field experience in Public History. Internships may take place at a variety of sites including museums, historic sites, state and national parks, cultural and genealogical centers, neighborhood development agencies, and archives. Students must identify and secure internships prior to enrolling in course. A minimum of 33.5 contact hours is required per credit hour. Prerequisites: Completion of HIST 3000; permission of course instructor.

#### For Graduates Only

- 5010. HISTORIOGRAPHY.** (3-3-0). Historical literature and philosophies of the Western World; the American scene; techniques of historical writing. Prerequisites: 2010, 2020 and consent of instructor.
- 5030. SEMINAR IN DIPLOMATIC HISTORY OF THE UNITED STATES.** (3-3-0). Prerequisite: Consent of instructor.
- 5080. ORAL HISTORY METHODS.** (3-3-0). Introduction to professional oral history standards in relation to oral history ethics, project planning, researching, interviewing, typing and editing transcriptions, and processing interviews for archival donation; activities will also focus on learning how to manage large oral history projects and on developing critical judgment in evaluating oral testimony.
- 5100. AMERICAN BIOGRAPHY.** (3-3-0). Representative Americans, their personalities, principles, policies, and influence on national and world thought and progress. Prerequisites: 2010, 2020.
- 5180. SPECIAL PROBLEMS IN AMERICAN HISTORY.** (3-3-0). This course is designed to provide the opportunity for a graduate student to undertake a special project in American history, on an individual basis, under the close supervision of a member of the history faculty. The topic will be in the area of the faculty member's field of expertise. Prerequisites: Graduate student in MAHR program; consent of instructor.
- 5200. SEMINAR IN LOUISIANA HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
- 5320. SEMINAR IN EARLY AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
- 5340. SEMINAR IN MIDDLE-PERIOD AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
- 5350. SEMINAR IN CIVIL WAR AND RECONSTRUCTION.** (3-3-0). Prerequisite: Consent of instructor.
- 5360. SEMINAR IN RECENT AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
- 5400. CASE STUDIES IN HERITAGE RESEARCH: A MULTIDISCIPLINARY APPROACH.** (3-3-0). The application of various research approaches to the study of heritage resources. A specific historical site or area will provide the focus of the semester's investigation. Prerequisite: Graduate standing or consent of instructor.
- 5960. INTERNSHIP IN CULTURAL RESOURCES MANAGEMENT/HISTORIC PRESERVATION.** (3 or 6-0-0). At least twenty hours per week working with a federal, state, local or private organization/agency in one of the following historic preservation/cultural resource management areas: archaeology, archives management, ethnohistory, ethnology, historical research. May be repeated for credit. No more than 6 hours can be applied toward a degree. Prerequisite: Must have completed a minimum of 18 graduate hours in history and/or anthropology and permission of instructor.

## HOMELAND SECURITY (HS)

For Graduates Only

- 5000. INTERNATIONAL TERRORISM, TRANSNATIONAL ORGANIZED CRIME AND COVERT OPERATIONS.** (3-3-0). This course serves as an introduction to the world of international terrorism, transnational organized crime and covert interdiction operations undertaken by the United States and other nation-states. Through the use of case studies and current publications from academics, military personnel and other members of the homeland security organization the student is exposed to the latest theories and data collecting efforts which attempt to understand, predict and disrupt contemporary international terrorism. This course also makes use of the same source material in studies of transnational organized crime and the links between crime and terrorism. Attention is also given to identifying various United States intervention actions or covert operations.
- 5050. HOMELAND SECURITY.** (3-3-0). This course is a study of the interrelatedness of Homeland Security and the Public Safety sector and their efforts to protect the United States from homegrown and foreign threats. This course will provide students with the history, mission, and evolution of the national homeland security enterprise, including federal, state, local, and private sector efforts. Upon completion of this course, students will have a better understanding of the homeland security system, the contemporary terrorist threat and strategy, current policy debates facing the United States, and the practical methods used to assure the safety of our communities and families.
- 5100. VENUE AND EVENT SECURITY.** (3-3-0). A comprehensive examination and analysis of event and venue security from the varied perspectives of event stakeholders; application of principles of Homeland Security within local jurisdiction protocols; event matrix construction; and assessment of social, institutional and political implications of mass gatherings and events.
- 5150. DOMESTIC TERRORISM PREVENTION AND ANALYSIS.** (3-3-0). This course is an introduction to the field of homeland security for criminal justice and other social science students. It is a basic, practical introduction for those who face, or will face, the threat of terrorism. The course will expose students to a vast array of issues, campaigns, theories, and opinions. Students will study differing interpretations of the issues of domestic and international terrorism that have spawned heated controversies in order to develop increased critical thinking skills, allowing for more informed decisions about terrorism policy, prevention, and analysis.
- 5200. RESEARCH DESIGN AND METHODS IN HOMELAND SECURITY.** (3-3-0). A study of scientific social inquiry through research design, combining qualitative and quantitative research methods and also emphasize the importance of policy analysis and program evaluation. This course is designed to provide a thesis orientation, will encourage students to do substantial reading and consideration of thesis topics, development of the research question or hypothesis, and which methods the student will use to answer the question. Students may also consider possible thesis advisors and will be encouraged to test and discuss their ideas in this pre-thesis course.
- 5300. CONSTITUTIONAL ISSUES AND GLOBAL SECURITY.** (3-3-0). An analysis of court decisions that interpret Constitutional conduct relative to Global Security.

- 5350. EXECUTIVE LEADERSHIP, DIPLOMACY, AND ETHICS IN HOMELAND SECURITY.** (3-3-0). This course identifies the unique ethical demands of leadership and equips students to meet these challenges. The course takes an interdisciplinary approach to leadership ethics while blending research and theory with practical application. This course offers a realistic look at the “dark side of leadership” – metaphors of shadow and light are a creative pedagogical tool to promote ethical decision-making and action through skill development, self-assessment, and application exercises. The course is an intensive study of administrative leadership theory and decision-making through an understanding of moral behavior, diplomatic and ethical competencies.
- 5400. NETWORK SECURITY AND CYBERTERRORISM.** (3-3-0). The globalization of digital communications has led to an international complacency regarding network security. This global medium has brought criminal predators and cyber terrorists directly into our homes, businesses, critical government infrastructures and significant top-secret network security systems. This course investigates contemporary issues and threats to network security and state-of-the-art counter-measures available to the criminal investigation community.
- 5500. COUNTER-TERRORISM INTELLIGENCE ANALYSIS, AND ADVANCED CRIMINAL INVESTIGATIONS.** (3-3-0). This course provides a concise and logically ordered account of the main areas of intelligence including collection, analysis, covert action, counterintelligence, and management. With the terrorist attacks of 11 September 2001 and the wars in Afghanistan and Iraq, the world “intelligence” has become a household term and a catchall expression used on a daily basis by many people within government, the media, and the public alike. Covering all areas from intelligence gathering to covert action, from intelligence analysis to counterintelligence, from the management of intelligence to definitions of that elusive term, the course will challenge students to determine what “intelligence” really means in the twenty-first century.
- 5550. ADVANCED CYBERFORENSICS AND CYBERWARFARE ISSUES.** (3-3-0). This course provides an intense examination and analysis of advanced critical issues of computer crime and the strong potential for global attacks and criminal subterfuge regarding political terrorism and industrial espionage. Emphasis is placed on such advanced computer forensic science capabilities as target hardening and software, tools for data duplication, recovery, and analysis, and development of pre-search or on-scene computer investigative techniques. Applications of First and Fourth Amendment issues will also be discussed.
- 5600. MANAGING CHAOTIC ORGANIZATIONS.** (3-3-0). This course will involve leading complex, chaotic organizations and the study of proactive management for incidents of international and domestic terrorism. It will analyze a multitude of transnational issues that have global implications and world-wide impact. The class will provide state-of-the-art theoretical perspectives and methods of analysis for the managerial and administrative tools required to deal with emerging threats to international security.
- 5650. INTERNATIONAL SECURITY AND GLOBALIZATION.** (3-3-0). Technological changes have made it possible to create a world that is increasingly interconnected and aware. This phenomenon has had a multitude of effects on the ideas of sovereignty, national, state borders, and security. This class will explore these effects and the changing role of state and non-state actors in global security.

- 5700. PEACE STUDIES, CONFLICT TRANSFORMATION, AND GLOBAL SECURITY.** (3-3-0). Global security, international and domestic terrorism, genocide, ethno-political conflict, and inordinate human rights concerns are worldwide problems and trends that are mandating creative problem-solving and peaceful negotiations. This course examines intractable global conflicts and the application of strong, proactive security policies, participatory international negotiation, peacemaking and peace building efforts to reach a more stable world order.
- 5720. TERRORISM AND COUNTER-TERRORISM IN THE 19<sup>TH</sup> AND 20<sup>TH</sup> CENTURIES.** (4-4-0). The theoretical justification for and the history of terrorism and the attempts to control it during the 19<sup>th</sup> and 20<sup>th</sup> centuries.
- 5750. HOMELAND SECURITY POLICY SEMINAR.** (3-3-0). This course is a comprehensive analysis of the historical, social, psychological, technological, and political aspects that form the broad arena of homeland defense and security. Utilizing an interdisciplinary approach, the course will provide a view of past events and an examination of how they formed the terrain for current events, allowing the student to gain detailed knowledge of government response and policy implications. With public and private sectors investing heavily in protection efforts, the course offers the essential starting point for the dynamic and emerging homeland defense arena. Students will develop an advanced understanding of the nature and scope causes and consequences of national homeland security issues and the critical thinking and strategic development of effective policies to deal with international terrorism and counterterrorism.
- 5800. SPECIAL PROBLEMS OR READINGS IN HOMELAND SECURITY.** (3-3-0). This class involves directed individual study of a problem related to Homeland Security, resulting in a substantial position paper or project presented to the faculty or overseeing professor. In addition, the course may be utilized to allow either extant faculty or distinguished visiting faculty the opportunity to conduct advanced teaching or seminars that may be the result of new research or evolving topics related to what the 9/11 Commission called the ideological "Battle of Ideas."
- 5850. TRANSFORMATIONAL LEARNING PROJECT, PRACTICUM, OR TEACHING EXPERIENCE IN HOMELAND SECURITY.** (3-3-0). The design, intent, and goal of this course is the achievement of transformational, reflective and experiential learning. It will provide the opportunity for graduate students in Homeland Security to select a project, teach a class, or participate at an internship site, as recommended by the HS faculty to the Graduate Administrator of HS studies.
- 5900. GRADUATE SEMINAR FOR THESIS RESEARCH AND WRITING METHODS IN HOMELAND SECURITY.** (6-0-0). This course is designed to assist graduate candidates with the completion of their thesis or paper-in-lieu-of-thesis project. Students should enter this course with clear research questions or hypotheses, an explanation of why their proposed research is salient, and how they intend to answer their research question.

## HOSPITALITY MANAGEMENT AND TOURISM (HMT)

For Undergraduates Only

- 1000. SURVEY OF HOSPITALITY AND TOURISM.** (3-3-0). An introduction to the structure, operation, operating realities and main characteristics and constraints of hospitality services.

- 1050. PROFESSIONALISM IN HOSPITALITY MANAGEMENT AND TOURISM.** (3-3-0). Introduction to the roles and responsibilities of the professional in Hospitality Management and Tourism with emphasis on career orientation, resume building, leadership skills, professional membership, social and global responsibilities, diversity, resource sustainability, community service and fundamental etiquette concepts relative to the home, society, business and the world.
- 2000. COMPUTER APPLICATIONS.** (3-3-0). Application of computer technology in the hospitality management and tourism industry, introduction to software packages available in the field.
- 2010. FOOD SAFETY AND SANITATION.** (1-.5-.5). Basic sanitation principles, application of food safety principles and commercial food service, and methods for training and motivating food service personnel to follow proper sanitation practices and procedures. Training on food allergens and response to food allergen emergencies. Completion of ServSafe Manager Certification and ServSafe Allergens Certification awarded by the National Restaurant Association upon successful completion of the national examination. First Aid and CPR training and certification.
- 2050. THE TRAVEL AGENCY.** (3-3-0). An examination of the service and functions of retail and wholesale travel agencies. Prerequisite: 1000 or consent of instructor.
- 2110. SPECIAL TOPICS IN HOSPITALITY MANAGEMENT AND TOURISM.** (1 to 3-1-4). Individual and/or class study of specialized topics and particular areas of hospitality management and tourism selected in accordance with needs of the student and/or the industry partners.
- 2150. TRAVEL AND TOURISM.** (3-3-0). A focus on significant concepts, terminology, demographics, and trends and issues involved with the in-depth study of destination management.
- 2220. RECREATION AND ECOTOURISM.** (3-3-0). A study of the recreation industry, its interrelationship with preservation of natural resources and its implications for the ecotourism industry.
- 2400. FACILITATING GUEST SERVICES.** (2-1-1). Introduction to professional guest services in food service operations. Practical service skills (setting the table and serving food) and application of less tangible skills (creating a welcoming space, exhibiting a helpful attitude and anticipating guest's needs). In depth analysis of the seven elements of guest services outlined by AHLEI. Successful completion of Certified Guest Service Professional certification. Prerequisite: HMT 2010.
- 3000. LODGING MANAGEMENT.** (3-3-0). A systematic approach to lodging operations by detailing the flow of business through a lodging property, from the reservations process to check-out and settlement. Attention is given to the planning and evaluation of rooms division management and to human resources management. Prerequisite: HMT 1000 and junior standing or consent of instructor.
- 3020. FOOD AND BEVERAGE MANAGEMENT.** (3-3-0). Provides a basis for understanding the various challenges and responsibilities involved in managing a food and beverage operation. Focuses on guest expectations and gives an excellent overview of the food service industry, including automation, the nutrition concerns of today's guests, menu management, marketing, sanitation, and financial management. Prerequisite: HMT 1000 and junior standing or consent of instructor.
- 3050. APPLIED SERVICES MANAGEMENT.** (3-3-0). Planning, preparation, and service of food for individuals and small groups with emphasis on resource management, completion of comprehensive certification program from the American Hotel & Lodging Educational Institute which hones skills needed to manage others, provide training, and exhibit exceptional leadership skills. Prerequisites: HMT 1000 and HMT 2010.

**3080. HOSPITALITY HUMAN RESOURCES MANAGEMENT.** (3-3-0). Principles applied to institutional administration, personnel management, and business organizations: goal setting, systems approach to management, leadership styles, and decision-making processes in hospitality operations. Prerequisite: HMT 1000 and junior standing or consent of instructor.

**3120. INTERNATIONAL STUDY AND TRAVEL PREPARATION.** (3-3-0). Individual and group research/discussions of itineraries, travel arrangements, passports, travel visas, historical background of destinations and logistics associated with study tours and travel abroad. Emphasis placed on safety and security, terrorism, international customs, verbal and body language implications in specific cultures, and visitors' rights and responsibilities. Passport is required for completion of course. Designed as a prerequisite to HMT 3150 and HMT 4260.

**3130. STUDY TOUR PREPARATION.** (1-1-0). This course is designed as a prerequisite to HMT 3150 and HMT 4260. Group discussions of itineraries, travel arrangements, financial obligations, historical backgrounds of destinations and logistics associated with study tours and travel abroad.

**3140. GLOBAL TOURISM.** (3-3-0). Focus on the economic, social, political, and environmental consideration of global travel. Destination development and key tourism issues will be explored. Prerequisite: HMT 1000 and junior standing or consent of instructor.

**3150. INTERNATIONAL STUDY TOUR.** (3-3-0). This course is a travel study, which is designed to acquaint the student with what it is like to be a tourist. Students will learn about major tourist attractions in Europe, economic development of tourism in the new European Union, differences in hospitality and tourism operations with their U.S. counterparts. Expenses incurred to be paid by participant. Prerequisite: HMT 3130 or consent of instructor. Course may not be taken in the same Spring of graduation. Students must contact instructor prior to enrolling in this course. Prerequisite: HMT 3120 or HMT 3130 or consent of instructor.

**4030. PERSPECTIVES IN HOSPITALITY MANAGEMENT AND TOURISM.** (3-3-0). Exit course for HMT majors with emphasis on networking, professional organizations, human resources, social and global responsibilities, business and international etiquette, resource management, community service, work ethic and social media responsibility. Includes business communications, resume production, in-depth interviewing skills and techniques with emphasis on psychosocial aspects of actions in a multicultural society. Preparation for HMT 4500 enrollment. Prerequisite junior standing.

**4070. REVENUE MANAGEMENT IN HOSPITALITY.** (3-3-0). This senior-level course examines the principles, strategies, and analytical tools essential for maximizing revenue in hospitality and tourism organizations. Students will analyze internal and external factors influencing revenue management decisions and apply strategic controls including pricing strategies, perceived value creation, demand forecasting, inventory management, competitive set analysis, and distribution channel management. The course emphasizes proficiency in interpreting industry-standard Smith Travel Research (STR) and Co-STAR reports while calculating and evaluating key performance indicators such as ADR, Occupancy, RevPAR, GOPPAR, Net Profit, RevPASH, RevPASM, and RevPSQFT. Through case studies and practical applications, students will apply fundamental business concepts including supply and demand analysis, cost analysis, pricing principles, rate fences, overbooking, and displacement analysis to understand the comprehensive responsibilities of revenue managers in hotels, restaurants, and event centers.

**4100. PROPERTY AND EQUIPMENT MANAGEMENT.** (3-3-0). Considers the engineering and maintenance needs of the hospitality/tourism industry, special emphasis on building environment and rehabilitation, mechanical and electrical equipment, utilities, and energy conservation management.

**4110. SPECIAL PROBLEMS IN HOSPITALITY MANAGEMENT AND TOURISM.** (1 to 3-3-3). Individual and class study of specialized problems; for advanced students who are interested in and have a need for work in a particular area of Hospitality Management and Tourism.

**4150. LEGAL ASPECTS OF HOSPITALITY/TOURISM MANAGEMENT.** (3-3-0). Federal, state, and local laws applicable to the operation of food and lodging enterprises are discussed, as well as practical approaches to spotting and solving legal issues. The innkeeper-guest relationship will be explored from a legal standpoint. The emphasis will be on recognizing potential legal concerns and implementing preventative measures. Prerequisite: HMT 1000 and junior standing or consent of instructor.

**4200. MARKETING HOSPITALITY MANAGEMENT AND TOURISM.** (3-3-0). Application of marketing principles to the hospitality/tourism industry. Plan and design a marketing strategy in an area of the field. Prerequisite: HMT 1000 and junior standing or consent of instructor.

**4250. ENTERTAINMENT MANAGEMENT.** (3-3-0). Students will gain comprehensive knowledge and practical skills in planning, organizing, and managing festivals, special events, and entertainment experiences. Students will explore the theoretical foundations of event management while developing hands-on competencies in project planning, risk management, financial planning, and strategic event design. The course emphasizes contemporary industry practices, sustainability considerations, and the integration of digital technologies into modern event management. Prerequisite: Junior Standing or Instructor permission.

**4260. CULTURAL ECOTOURISM STUDY ABROAD.** (3-3-0). This course is a study abroad, which is designed to acquaint the student with what it is like to live in a foreign country. Students will learn firsthand about the host country's culture, tradition, history, language, cuisine and major ecotourist attractions. Expenses incurred to be paid by the participant. Students are responsible for their own costs. All students taking the course must purchase student insurance. Prerequisite: HMT 3130 or consent of instructor. Students must contact instructor prior to enrolling in this course. Prerequisite: HMT 3120 or HMT 3130 or consent of instructor.

**4300. ACCOUNTING IN THE HOSPITALITY INDUSTRY.** (3-3-0). This senior-level course examines managerial accounting principles and practices essential for effective decision-making in hospitality operations. Students will explore hospitality-specific accounting systems, budgeting processes, cost control techniques, and performance analysis methods used by managers in hotels, restaurants, and other hospitality enterprises. The course emphasizes the application of the Uniform System of Accounts for the Lodging Industry (USALI) and covers key managerial accounting tools including cost-volume profit analysis, variance analysis, capital budgeting, pricing strategies, and operational budgeting. Through case studies and practical applications, students will develop the analytical skills necessary to use accounting information for planning, controlling costs, evaluating performance, and making strategic business decisions in the hospitality industry.

- 4500. FIELD EXPERIENCE.** (6 to12-0-0). Controlled work experience in the student's area of concentration, designed by host organization and university instructor to blend theory and practice. A minimum of 400 total clock hours required with periodic evaluations, special project(s) and portfolio presentation with weekly reports of all aspects of the experience. Prerequisite: Successful completion of ALL prior degree requirements.

## HUMAN PERFORMANCE (HP)

For Undergraduates Only

### Activity Courses

The following are academic courses in all Health and Exercise Science (377) curriculum; to be considered extra-curricular courses in all other curricula. Limit repeats of Human Performance activity classes to one when the student has passed it the first time.

- 1120. BEGINNERS SWIMMING.** (2-0-3).
- 1130. BOWLING.** (2-0-3).
- 1180. GOLF.** (2-0-3).
- 1290. RACQUETBALL.** (2-0-3).
- 1310. YOGA** (2-2-0). This course is designed to introduce basic yoga terms, practices, and breathing techniques to improve overall fitness. Students will develop flexibility, endurance, and overall wellness.
- 1330. SKIN AND SCUBA DIVING.** (2-0-3).
- 1340. INTERMEDIATE YOGA.** (2-0-3). HP 1340 is designed to further the students' practice of yoga and improve overall fitness. Students will develop flexibility, endurance, and overall wellness while learning to teach yoga concepts to others.
- 1350. PICKLEBALL.** (2-0-3). Knowledge and skill-development of the pickleball. Technical skills include forehand and backhand groundstrokes, T volleys, serves, lobs, overheads, dinks, and proper footwork. Students will also learn the fundamental rules, basic strategies, and court positioning for singles and doubles play.
- 1370. TENNIS.** (2-0-3).
- 1510. VOLLEYBALL.** (2-0-3).
- 1550. WEIGHT TRAINING.** (2-0-3).
- 1580. FITNESS FOR LIFE.** (2-0-3).
- 1590. ADVANCED SCUBA DIVING.** (2-0-3).
- 1600. INTERMEDIATE SWIMMING.** (2-0-3).
- 1640. BEGINNING WATER EXERCISE.** (2-0-3).
- 1660. AEROBIC CONDITIONING BY WALKING OR JOGGING.** (2-0-3). Fitness development with an emphasis on walking, jogging, and running, including discussion of proper technique and health benefits.
- 1670. CORE TRAINING AND AEROBIC EXERCISE.** (2-0-3).
- 1620. PERSONAL SELF-DEFENSE.** (2-0-3). Beginning level self-defense; offensive and defensive maneuvers; physiological components of martial arts training.
- 1110. PERSONAL FITNESS – LIFETIME SPORTS.** (2-2-1). Taking control of personal health and lifestyle habits; implementing a physical fitness program; attention given to cardiorespiratory endurance, muscle strength and endurance, body composition, flexibility, nutrition and weight control.
- 1630. BEGINNING KARATE.** (2-0-3). Instruction and practice in the basic techniques of Okinawan Karate and self-defense. Introduction of warm up exercises, stances, blocks, strikes, kicks, one step sparring, body hardening, formal exercises (kata), and various street oriented self-defense techniques. The course will also cover history, customs, and formalities as taught in Okinawa.
- 2000. INTRODUCTION TO HEALTH AND HUMAN PERFORMANCE.** (3-3-0). Introduction to the disciplines and professions of Public Health, Health and Physical Education, Health and Exercise Science, and Sport and Recreation Management. This course covers historical developments, philosophical views, issues and challenges confronting the professions, and career roles for entering professional fields within the industry.
- 2010. INTRODUCTION TO PHYSICAL EDUCATION.** (3-3-0). Introduction to the discipline and profession of physical education and sport; historical developments, philosophical views, issues and challenges confronting the profession; career roles for entering professional fields of physical education, sport, fitness. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in MATH sequence) with a grade of "C" or higher.
- 2070. WATER SAFETY INSTRUCTOR.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety; American Red Cross system of aquatic instruction; Red Cross WSI certification to qualified students. Corequisite: 3190.
- 2080. LIFEGUARDING.** (2-1-2). Knowledge, skills, rescue techniques, conditioning, preventive lifeguarding; Red Cross certification as non-surf lifeguard to qualified students. Prerequisite: Student must pass a basic swimming skills test on the first day of class to remain in the course.
- 2110. BASIC MOVEMENT AND RHYTHMICAL ACTIVITIES.** (2-1-2). Rhythmical activities appropriate for use in a school/community setting; teaching techniques in skill progression, lesson planning, class organization, and student evaluation. Designed primarily for Health and Human Performance majors.
- 2170. TECHNIQUES OF AQUATICS.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety. Prerequisite: Students must pass a basic swimming skills test on the first day of class to remain in the course.
- 2230. SKILLS AND TECHNIQUES IN KINESIOLOGY.** (3-0-3). This course presents knowledge and skill development in a variety of recreational and basic movement/game activities for use in K-12 school physical education; teaching techniques and skill progression, lesson planning, class organization, and student evaluation will be used. Designed primarily for Health and Physical Education majors.
- 2270. PHYSICAL FITNESS.** (2-2-0). Knowledge and skill development in a variety of physical fitness activities; teaching techniques for developing both health-related and skill-related components of fitness.
- 2280. TEAM SPORTS.** (2-1-2). Knowledge and skill development in a variety of team sports that can be used in school and community settings. Teaching techniques are applied to the team activities presented. Designed primarily for physical education majors.
- 2400. FACILITATION OF CHALLENGE COURSE ACTIVITIES.** (2-1-2). Certification upon completion. Technical skills; course maintenance; practical experience in low elements, initiatives, high elements, facilitating groups, belaying, and managing simultaneous activities on the course.
- 2630. MOTOR LEARNING AND DEVELOPMENT.** (3-3-0). Survey of changes in motor behavior over the lifespan, processes that underlie these changes, and factors affecting them; principles associated with learning and performing motor skills. Prerequisite: Biology 2250 or BIOL 3310 with a minimum grade of "C".
- 2670. INTRODUCTION TO GROUP FITNESS INSTRUCTION.** (2-3-0). Introduces concepts in basic exercise physiology, anatomy and kinesiology, nutrition and weight control, injury prevention, music selection, participant health screening, choreography and teaching exercise techniques. Designed to prepare students for national certification as a group aerobic/fitness instructor. Prerequisite: Permission of the instructor.

- 2680. PRACTICUM IN GROUP FITNESS INSTRUCTION.** (2-1-2). Designed to give the student practical experience in teaching a variety of class formats for group fitness participants and experience with fitness testing procedures; application and review of material from 2670.
- 3010. TRACK AND FIELD COACHING METHODS.** (2-1-2). Form used in various track and field events; placement of participants in events; organizing and conducting meets; other coaching problems. Prerequisite: Junior, senior classification.
- 3020. BASEBALL COACHING METHODS.** (2-1-2). Coaching problems: team strategy, managerial problems, psychology of coaching, and methods of teaching skills and techniques. Prerequisite: Junior, senior classification.
- 3050. SOFTBALL AND VOLLEYBALL COACHING METHODS.** (2-1-2). Coaching problems: team strategy, managerial problems, psychology of coaching, methods of teaching skills and techniques. Prerequisite: Junior, senior classification.
- 3120. HEALTH AND PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (3-3-0). This course introduces prospective elementary education teachers to concepts and principles of health education including identification of common health issues of children, curriculum development, and teaching-learning strategies. Additionally, the need for quality physical education instruction is examined and developmentally appropriate physical activities are practiced. Instructional processes of planning, management, and evaluation are included. Prerequisite: Admission to candidacy in teacher education.
- 3170. PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-1-2). Examines the need for quality physical education instruction for elementary school children; attention given to program development and implementation of developmentally appropriate physical education activities. Prerequisite: Admission to candidacy in teacher education.
- 3190. TEACHING APPRENTICESHIP IN HEALTH AND PHYSICAL EDUCATION.** (1-0-2). For student assistants in skills techniques or first aid classes; planning, equipment and facility set-up, teaching and evaluating performance; under supervision of university instructor. Prerequisite: Consent of HPER Department Head.  
Subtitles:  
01-aquatics  
02-individual sports 03-team sports  
04-fitness/lifetime sports 05-first aid/CPR
- 3200. PRACTICUM IN COACHING.** (2-0-2). Supervised field based experience in area of coaching/sport studies interest. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula. May be repeated one time. Prerequisite: Junior/senior classification and must be enrolled as a full-time student.
- 3250. STUDENT TEACHING/COACHING PRACTICUM.** (3-0-3). Supervised field based experience in area of coaching/sport studies interest while concurrently enrolled in student teaching. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula.
- 3300. LEGAL AND ETHICAL ISSUES IN SPORT.** (3-3-0). An examination of legal and ethical concepts related to sport and recreation management. Prerequisite: HP 2000.
- 3310. SPORT PSYCHOLOGY.** (3-3-0). Focus on the theoretical foundations and practical applications of the field of sport psychology. Topics include motivational theories, mental skills training, interpersonal issues, and promoting psychological well-being in athletes.
- 3320. SOCIAL ISSUES IN SPORT.** (3-3-0). A theoretical approach to multiple social issues with emphasis on minorities in sport, women in sport, youth in sport, religion in sport, politics in sport, as well as future trends. Course will include an examination of social and political issues, including the Olympic movement, which affect sport and recreational managers in today's global marketplace. Prerequisite: Junior or senior standing.
- 3550. APPLIED KINESIOLOGY AND BIOMECHANICS.** (3-3-0). Basic scientific information needed for understanding human motion; concepts of motion practically applied to everyday motor tasks and sport skills. Prerequisite: Biology 2250-2251 with a grade of "C" or higher.
- 3560. EXERCISE PHYSIOLOGY.** (3-3-0). Study of the physiological effects of exercise on the body; essential concepts and materials to assist the student in ensuring safe and sensible conduct of physical education, athletic, and/or physical fitness programs. Prerequisites: BIOL 2250 or BIOL 3310 with a minimum grade of "C"; BIOL 2251 or BIOL 3311 with a minimum grade of "C".
- 3561. PHYSIOLOGY OF EXERCISE LABORATORY.** (1-0-2). Laboratory experiences in complement phenomena discussed in the lecture and text; testing the truth of classroom presentations, textbook readings, and theories; providing experience in the use of laboratory instruments. Prerequisites: BIOL 2250-2251 and 2260-2261; HP 2270 with a grade of "C" or higher. Corequisite: HP 3560.
- 4000. INTRODUCTION TO ADAPTED PHYSICAL EDUCATION.** (3-3-0). This course provides both undergraduate students and graduate students in physical education with a basic knowledge of adapting the physical education curriculum to meet the individual needs of the students with motor developmental delays, other health impairments, and/or behavioral and emotional disorders. Prerequisite: Junior, senior standing, or graduate student.
- 4020. RESEARCH METHODS IN HEALTH AND KINESIOLOGY.** (3-3-0). This course will cover identification, discussion, and development of research knowledge and skills in health and sport management. Published research and readings will be used to design and develop a research journal model.
- 4030. STATISTICS IN HUMAN PERFORMANCE.** (3-3-0). Course activities include statistical procedures applied to sport, recreation, health, and exercise science research data and measurement. Emphasis is on concepts rather than computations. Students will use statistical package (e.g., SPSS) to calculate data.
- 4060. BASKETBALL COACHING METHODS.** (2-1-2). Styles of individual and team offense and defense; methods for teaching these skills; analysis of problems of coaching basketball. Prerequisite: Junior, senior classification.
- 4150. TEST AND MEASUREMENTS IN HEALTH & PHYSICAL EDUCATION.** (3-3-0). Test and measurements in the field of health and physical education in the motor, affective and cognitive domains; practical experiences designed in test administration, scoring procedures, data analysis, and grading techniques. Prerequisites: Teacher candidacy; HP 3550, 3560-3561, 2270 with a grade of "C" or better.
- 4160. FOOTBALL COACHING METHODS.** (2-1-2). Styles of offense and defense; fundamental team play; running, kicking, and passing games; offensive and defensive strategy; coaching problems. Prerequisite: Junior, senior classification.

- 4170. TESTING, EVALUATION, AND PRESCRIPTION OF EXERCISE IN HEALTH AND HUMAN PERFORMANCE.** (3-3-0). Practical application of the theory of exercise science aimed at adult populations in order to provide the student with sufficient knowledge to develop and prescribe appropriate exercise programs, and to assess individual levels of fitness. This course presents and puts into practice various tests and measurement techniques with emphasis on those techniques associated with the assessment of kinesiological and physiological parameters. It is both lecture and lab, with the laboratory sessions designed to practice test administration, scoring procedures, data analysis, and grading techniques. Prerequisite: BIOL 2250 or BIOL 3310 with a minimum grade of "C"; BIOL 2251 or BIOL 3311 with a minimum grade of "C".
- 4180. PRE-INTERNSHIP SEMINAR.** (1-1-0). Internship selection process, including agency selection, management skills, resume writing, letters of application, and interview techniques. Prerequisite: Must be taken semester immediately prior to internship semester. Permission of course instructor required.
- 4200. INTERNSHIP IN HEALTH AND HUMAN PERFORMANCE.** (6 to 12-0-0). This course is designed to give the student practical experience in the industry's workforce to include participation in all aspects of the internship site's daily activities; 250-500 clock hours required. Prerequisite: HP 4180 with a grade of "C" or higher; completion of internship contract, permission of course instructor.
- 4210. BEHAVIORAL AND EDUCATIONAL DISABILITIES AND PHYSICAL EDUCATION.** (3-3-0). Physical education activities for the mentally disabled, emotionally disturbed, and learning disabled. Field experience required. Prerequisite: 4000 with a grade of "C" or higher.
- 4220. CHRONIC DISABILITY AND PHYSICAL EDUCATION.** (3-3-0). Designing developmentally appropriate fitness activities for those with neurological, orthopedic, and sensory disabilities. Field experience required. Prerequisite: 4000 or permission of instructor.
- 4230. RESEARCH TOPICS IN HEALTH AND EXERCISE SCIENCE.** (3-0-0). An independent study allowing the student to conduct research in the area of health and exercise science. May be a special project or formal research paper. Prerequisite: permission of department head.
- 4240. PHYSICAL EDUCATION CURRICULUM FOR SPECIAL POPULATIONS.** (3-3-0). Curriculum development in physical education for all disabled individuals, including needs assessments, implementation, and evaluation. Prerequisite: 4000, 4210, and 4220 with a grade of "C" or better; department head permission.
- 4300. RECREATIONAL SPORTS MANAGEMENT AND PROGRAMMING.** (3-3-0). Examination of theoretical foundations basic sport and family recreation programming skills and competencies, methods, and administrative/management/organizational techniques to deliver recreational programs within a variety of settings. Prerequisite: Second semester Junior or Senior classification.
- 4360. PSYCHOLOGY OF HUMAN MOVEMENT.** (3-3-0). Psychological factors that affect human movement and sport performance. Emphasis is on understanding psychological constructs related to performance and the development of psychological skills training programs. Prerequisite: Psychology 1010, or Educational Psychology 3000, or consent of instructor.
- 4370. NAVIGATING SPORTS OFFICIATING.** (3-3-0). Assessment and practice of the philosophy and principles of sports officiating. Course content will include rules and mechanics for officiating sports and will involve in-depth analysis of modern officiating and development of officiating skills. Course is designed for official (LHSA) certification upon completion.

- 4400. CONTEMPORARY LEADERSHIP IN SPORT.** (3-3-0). Examination of skills and practices relevant to leadership in the sport and recreation industries. Contemporary thought and modern leadership approaches will be explored through the lens of data-informed decision-making, crisis management, diversity, equity and inclusion in sport, emotional intelligence, and global leadership. Prerequisites: ENGL 3210 or 3230; Junior standing.
- 4410. SALES AND REVENUE GENERATION IN SPORT.** (3-3-0). A practical approach to understanding sales and revenue generation in the business of sport. Prerequisite: Senior standing.
- 4430. MARKETING FOR SPORT AND RECREATION.** (3-3-0). Basic knowledge and practical experience for understanding marketing techniques specific to recreation and sport management. History of promotion and marketing in the recreation and sport fields is examined along with best practices of sport business.
- 4470. SPORT AND RECREATION FACILITY OPERATIONS.** (3-3-0). Theoretical and applied foundation of sport and recreation facility management, supplemented with practical applications that can be utilized by future sport facility operation managers. Prerequisite: Junior standing.
- 4500. FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION COACHING.** (3-3-0). Application of pedagogy in health and physical education related to planning, instruction, management, assessment, and technology.
- 4620. SPECIAL TOPICS IN HEALTH, KINESIOLOGY, AND SPORT.** (3-3-0). This course is designed to provide interdisciplinary opportunities for students to make an intensive, in-depth study of a health, kinesiology, and/or sport topic of interest. The topics selected will be designed to explore subjects of current interest, approved by the instructor. The project will be centered around a problem and/or question within a selected area of interest related to the student's academic concentration.
- 4660. SCIENTIFIC PRINCIPLES OF COACHING STRENGTH AND CONDITIONING.** (3-3-0). This 3-credit undergraduate level course is designed to provide a comprehensive overview of strength and conditioning of athletes. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics) and nutrition, exercise technique, program design, organization and administration, and testing and evaluation. Additionally, this course is designed to prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.
- 4960. METHODS AND MATERIALS OF K-12 PHYSICAL EDUCATION.** (3-1-2). Teaching methodologies and materials utilized in K-12 school physical education; emphasis is directed toward observation, participation, and discussion of instructional practices. Prerequisite: Admission to candidacy in teacher education. Requires 45 observation hours.

For Graduates Only

- 5000. STATISTICS IN HEALTH & HUMAN PERFORMANCE.** (3-3-0). Statistical procedures applied to sport, health, and recreation research data and measurement; emphasis on concepts rather than computations; use of the SPS statistical package.
- 5020. RESEARCH METHODS IN PUBLIC HEALTH.** (3-3-0). Identification, discussion, and development of research knowledge and skills in health and human performance; use of published research and readings to design and develop a research journal model. Prerequisite: HP 5000.
- 5120. SPORTS MARKETING AND PROMOTION.** (3-3-0). Application of marketing principles, marketing management, and services marketing in a sports, health, and leisure activities context. Emphasis will be placed on the development skills as they relate to the management of sports and health related activities program.



- 5130. GOVERNING AGENCIES AND ETHICAL PRINCIPLES.** (3-3-0). An in-depth study of various governing agencies related to the administration and control of athletic competition; course provides information relative to the ethical principles, codes of conduct, and official issues confronting personnel concerned with athletic competition.
- 5140. FACILITY DESIGN, EQUIPMENT, AND FACILITY/ EVENT MANAGEMENT.** (3-3-0). Planning and administration of sport facilities; including purchase, care, and inventory of equipment. Course will examine fundamental concepts, theories, principles, and procedures related to sport facility management, design and sports equipment.
- 5150. SOCIOLOGY OF SPORT.** (3-3-0). Survey of concepts and concerns of sociological issues occurring during sport, health, or leisure programs.
- 5160. LEGAL ISSUES IN SPORT AND PHYSICAL EDUCATION.** (3-3-0). An in-depth study and analysis of legal concepts and their application to sports and physical education.
- 5170. CARDIOVASCULAR EXERCISE PHYSIOLOGY.** (3-3-0). Cardiovascular physiology in normal and diseased states. Emphasis will be placed on describing the neurochemical properties of the myocardial cell, the physiological basis of cardiac muscle function, and the overall performance of the intact heart during exercise. Key learning concepts in the course will include human performance and clinical context showing the underlying physiological concepts that lead to disease states and acute and chronic adaptations of exercise. For example, cardiac output, blood pressure, heart disease, and dysrhythmias. The course will also emphasize evidence-based, current peer reviewed research in cardiovascular physiology and students will be expected to review studies and provide review critiques.
- 5190. HUMAN RESOURCE MANAGEMENT IN SPORTS.** (3-3-0). Application of management principles in a sports, health, and leisure activities context. Emphasis will be placed on the development of management skills and adapting them to the management of sports and health related activities and programs.
- 5220. BUDGETING AND PLANNING FOR SPORT AND LEISURE ENTERPRISES.** (3-3-0). Budgeting and planning aspects such as budget documents, budget preparation, analysis techniques, finance strategies, allocation of resources and other aspects specific to the successful operation of a sport and/or leisure enterprise.
- 5340. CLINICAL EXERCISE TECHNOLOGY, TESTING, AND PRESCRIPTION.** (3-3-0). Advance physiological concepts applied to exercise, clinical exercise testing and prescription for various populations; and examination of policies and procedures in programming as recommended by the American College of Sports Medicine.
- 5350. PROBLEMS IN PHYSICAL EDUCATION.** (3-0-0). Directed study of a selected problem (or problems) in physical education.
- 5360. ADVANCE EXERCISE PHYSIOLOGY.** (3-3-0). Study of the physiological effects of acute and chronic exercise on the function of the organ systems of the body, including a critical analysis of the relevant research literature. Essential concepts and materials to assist in ensuring safe and sensible conduct of physical education, cardiac rehabilitation, athletic, and/or physical fitness programs.
- 5370. ADVANCED SPORTS OFFICIATING.** (3-3-0). Assessment and practice of the philosophy and principles of sports officiating. Course content will include rules and mechanics for officiating sports and will involve in-depth analysis of modern officiating and development of officiating skills. Course is designed for official (LHSA) certification upon completion. Advanced officiating principles and skills will be covered.

- 5430. TRENDS IN CURRICULUM AND INSTRUCTION.** (3-3-0). An examination of current curricular models in physical education and instructional strategies that ensure success. Curricular programs that support the national standards in physical education will be emphasized. Techniques for assessing learner progress (and the program) will be discussed.
- 5450. ADVANCED ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION.** (3-3-0). Theoretical insights and practical competencies that deal with physical education programs at the secondary school level.
- 5510. TECHNOLOGY IN SPORT SETTINGS.** (1-1-0). Advancements in technology and computer applications in daily operations and competition.
- 5520. CURRENT TOPICS IN SPORT ADMINISTRATION.** (1-1-0). Academic investigation, discussion, and impact of current issues on sport business and daily operations.
- 5530. FACILITY PLANNING AND EVENT MANAGEMENT.** (1-1-0). Planning and design of sport facilities; game/event management principles and policies.
- 5590. PRE-INTERNSHIP ORIENTATION.** (1-1-0). Internship selection process, including job search portfolio, management skills, resume writing, letters of application, and interview techniques. Prerequisite: 18 hours of graduate credit in Sport Administration, including HP 5020, also including current enrollment.
- 5620. SPECIAL TOPICS IN HEALTH & HUMAN PERFORMANCE.** (3-3-0). The course is designed to provide opportunities for students to make an intensive in-depth study of a health and kinesiology topic of interest. The topics selected will be approved by the instructor. The topics include and are not limited to; exercise physiology, exercise science, public health, sports medicine/administration, health, or physical education. Organized as an independent study experience, the selected project will be centered around some problem/question and area of interest related to the student's academic concentration.
- 5660. FITNESS AND TRAINING FOR HUMAN PERFORMANCE.** (3-3-0). Systematic training programs for practical application of strength, flexibility, and conditioning methods, also incorporates injury prevention and treatment techniques for physical educators. Prerequisite: Teacher certification in P.E. or consent of instructor.
- 5690. RESEARCH PROJECT IN HEALTH AND HUMAN PERFORMANCE.** (3-3-0). A paper or project written as partial fulfillment of non-thesis masters program. Prerequisite: 12 hours of graduate degree courses including Human Performance 5020.
- 5980. THESIS.** (3 to 6-0-0).
- 5990. INTERNSHIP IN HEALTH & HUMAN PERFORMANCE.** (3-0-40). Internship in a school or university, professional sports organization, sports marketing, sport medicine clinic or a similar setting approved by the department head and major professor. Prerequisite: 18 hours of graduate credit in Sport Administration including Human Performance 5020.

## HUMANITIES (HUM)

For Undergraduates Only

- 4010. HEALTH AND HUMANITY.** (3-3-0). Interdisciplinary investigations of death and dying, the experience of illness, metaphors of health and disease, transcultural factors in health care, and stereotypes and health care. Prerequisite: Junior standing.
- 4020. HUMAN VALUES AND HEALTH CARE.** (3-3-0). Interdisciplinary investigations of philosophical concepts of humanhood, bioethics, historical issues of health care in America, and the holistic health movement. Prerequisite: Junior standing.

- 5010. GREAT IDEAS OF WESTERN CULTURE.** (3-3-0). Lectures and critical discussions of the foundational ideas of Western culture: God, nature, education, justice, freedom, science, democracy, truth; assignments from Plato, Machiavelli, James, Whitehead, and others. Prerequisite: 12 hours of social sciences.
- 5020. CLASSICAL AGE OF GREECE.** (3-3-0). An interdisciplinary study of Athens in the Classical Age of Greece (5th-4th centuries BCE). Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, Thucydides, Plato, and Aristotle along with examining significant monuments from the art and architectural tradition.

## INDUSTRIAL ENGINEERING TECHNOLOGY (IET)

### For Undergraduates Only

- 1020. ENGINEERING TOOLS AND DIMENSIONAL ANALYSIS.** (3-2-2). Principles and practices of measurement technology; use of tools; dimensional analysis; and the use of all the above in applications of technology.
- 1080. PROGRAMMING FOR ENGINEERING TECHNOLOGY.** (3-3-0). This programming course will cover programming fundamentals, input/output operations, and mapping and other data visualization techniques. Computer applications in solving engineering technology related problems. Prerequisite: Credit for or registration in MATH 1090 or MATH 1830, or consent of the instructor.
- 1400. TECHNICAL DRAFTING I.** (3-2-2). Introduction to drafting, with computer-aided drafting (CAD) applications. Orthographic projection, geometric construction, sectioning, dimensioning, auxiliary views, and text. Includes display and editing techniques as well as working with drawing files.
- 1420. BLUEPRINT READING.** (3-2-2). Technical and symbolic communication used on blueprints and working drawings.
- 1520. WELDING TECHNOLOGY** (3-1-4). An introduction to the principles of shielded metal arc welding and cutting with a plasma torch and oxyfuels. Safe handling and use of the welding equipment, consumables, and safety gears. Basic hands-on practices on various types of welding joints using arc welding cutting mild steel with plasma torch and oxyfuels. Prerequisite: IET 1800.
- 1700. INTRODUCTION TO ENGINEERING TECHNOLOGY.** (1-0-2). Degree requirements and scholastic resources for engineering technology students. Careers and job opportunities in engineering technology, Academic skills, scholarship, and preparation for success in the future.
- 1800. OCCUPATIONAL SAFETY AND HEALTH.** (3-3-0). Principles and practices of accident prevention and safety program operation in industrial facilities and school laboratories; effective safety organization, management and supervision; teacher, administrator and management liabilities; Occupational Safety and Health Act (OSHA).
- 2020. METALS MACHINING I.** (3-2-2). Machine tool technology; operator control and computer numerical control (CNC) machining, computer-aided manufacturing (CAM), and production centers. Precision measurement and layout. Survey of nontraditional machining processes. Prerequisites: 1400 and credit for or registration in MATH 1090 or 1830.
- 2040. PROBABILITY AND STATISTICS FOR ENGINEERING TECHNOLOGY.** (3-3-0). Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses, regression analysis, engineering applications. Prerequisite: Credit for or registration in MATH 2140.

- 2110. FUNDAMENTALS OF INDUSTRIAL ROBOTICS.** (3-3-0). Basic concept of automation and robotics. History of robots in manufacturing industries. Safety issues involved with industrial robots. Anatomy and working principles of robots. Jogging and programming of robots. Computer aided manufacturing (CAM). Prerequisite: IET 1400; MATH 1090 or 1830 or consent of the instructor.
- 2400. TECHNICAL DRAFTING II.** (3-2-2). Continuation of 1400, with intermediate CAD applications. Working drawings, limit dimensioning, threads and fasteners, secondary auxiliary views, descriptive geometry, assembly drawings, and production illustrations. Prerequisite: 1400.
- 2700. OCCUPATIONAL FIELD EXPERIENCE I.** (1 to 3-0-6 to 18). Work experience supervised by the student's departmental coordinator in related occupational areas. May be repeated. Prerequisite: Consent of instructor and placement in a related job.
- 2740. ENGINEERING MATERIALS.** (3-2-2). Methods of making basic engineering materials; phase diagrams; crystalline lattice structures; material properties; methods for changing material properties. Prerequisites: 1020; CHEM 1030 or 1070 or SCI 1010; MATH 1090 or 1830.
- 2790. STATICS.** (3-3-0). Principles of statics, vector algebra and vector quantities. Resultants in coplanar force systems, equilibrium in coplanar force systems, analysis of structures, trusses, beams, chains and cables, friction, centroids and centers of gravity, moments of inertia. Prerequisite: MATH 1090 or 1830, PHYS 2030 or consent of instructor.
- 2830. ADVANCED INDUSTRIAL SAFETY ENGINEERING AND MANAGEMENT.** (3-3-0). Recognition and control of occupational safety and health hazards; human relations for safety; psychological considerations; human engineering; management and supervisory leadership. Prerequisite: 1800 or consent of instructor.
- 2840. DEVELOPMENT OF OCCUPATIONAL SAFETY AND HEALTH PROGRAMS.** (3-3-0). Programs for plants and systems operations; systems analysis. Comprehensive occupational safety and health programs developed by students. Prerequisite: 1800.
- 2920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems. Individual or group independent work. Prerequisite: Consent of instructor.
- 3100. TECHNICAL PROJECT MANAGEMENT.** (3-3-0). Project evaluation and selection; project planning, organizing, managing and controlling. Software tools and techniques for work breakdown structure; project networks; scheduling; critical path method; program evaluation and review technique; project crashing for small/large project of commercial/academic or nonprofit organizations. Prerequisite: Junior or senior standing or consent from instructor.
- 3150. FLUID POWER.** (3-2-2). Compressible and incompressible fluid statics and dynamics of industrial hydraulic and pneumatic circuits and controls. Software and functional components used to design, construct, and analyze piping circuits. Prerequisites: MATH 1090 or 1830.
- 3410. ADVANCED CAD APPLICATIONS.** (3-2-2). Detail and assembly drawing; cams, gears, graphs; pipe, welding, and structural drafting; 3D and surface modeling. Prerequisite: 1400.
- 3460. ARCHITECTURAL DRAFTING AND CAD.** (3-2-2). Principles and practices of home planning; procedures in residential construction; preparation of plans and specifications for a modern home using CAD software. Prerequisite: 1400.
- 3510. METHODS AND WORK DESIGN.** (3-3-0). Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, standards, allowance, standard data, formula construction, work sampling, wage payment and performance training, industrial ergonomics and work design. Prerequisite: MATH 1090 or 1830.

- 3550. MATERIAL HANDLING.** (3-3-0). Material handling as related to manufacturing, warehousing and distribution centers. Topics include methods of movement, storage, inventory control, and retrieval. Prerequisites: 3510; MATH 1090 or 1830.
- 3570. ENGINEERING ECONOMICS.** (3-3-0). Principles and applications of economic analysis presented through engineering-oriented examples. Introduction and definitions of economic factors, analysis methods for evaluating alternative choices, and decision making tools for real-world situations. Prerequisite: MATH 1090 or 1830.
- 3720. TECHNICAL WRITING.** (3-3-0). Fundamentals of technical report writing, industrial communications, preparation of materials for publication. Prerequisite: English 1020.
- 3730. INDUSTRIAL TRAINING PRACTICES.** (3-3-0). Employee educational and training methods, management, and evaluation. Task analysis, job safety analysis; development of training materials; delivery methods and media. Prerequisite: Junior standing or consent of instructor.
- 3740. SUPERVISION IN ORGANIZATIONS.** (3-3-0). Focus on the functions, skills, responsibilities, and challenges of a supervisor in an organizational setting. Topics include planning, organizing, staffing, leading and controlling. Other areas discussed are managing diversity, workplace conflicts, ethics, safety, life-long learning, globalization, teamwork, and corporate social responsibility. Prerequisite: Junior standing or consent of the instructor.
- 3820. ERGONOMIC DESIGN.** (3-3-0). Overview of the human body, its systems and how it interacts with environmental stressors; designing to fit body movements; office (computer) workstation design considerations; designing for special populations; handling loads. Prerequisite: 1800.
- 3900. INDUSTRIAL MACHINERY.** (3-3-0). Principles and applications of thermodynamics; operating principles and applications of industrial machinery such as boilers, gas turbines, IC engines, electric motors and generators, HVAC systems, and industrial robots. Prerequisite: EET 1300; MATH 2140, PHYS 2030, or consent of the instructor.
- 4020. ADVANCED METALS MACHINING.** (3-1-4). Special practices of metals processing; CNC machining and CAD-CAM interfacing; machining systems. Prerequisite: 2020; MATH 1090 or 1830.
- 4420. TOOL DESIGN.** (3-1-4). Design and construction of jigs and fixtures applicable to industrial production. Prerequisite: 2020, 3410; MATH 1090 or 1830.
- 4700. MANUFACTURING FACILITIES.** (3-3-0). Study of the planning processes for facilities location and design, material handling equipment, and manpower requirements. Analysis of production line requirements, assembly line balancing, and automation. Prerequisite: 2040, 3570 and MATH 2140.
- 4720. QUALITY CONTROL.** (3-3-0). Methods and procedures employed in industrial quality control, theories of statistical process control, process capability and reliability. Prerequisites: 2040; MATH 1090 or 1830 or consent of instructor.
- 4730. MATERIALS AND PROCESSES.** (3-2-2). Engineering materials and their properties. Design, economics, and control of manufacturing processes. Methods engineering, job shop and automation practices; machining and fabrication processes. Prerequisite: IET 2020; CHEM 1030 or 1070 or SCI 1010 or consent of instructor.
- 4790. STRENGTH OF INDUSTRIAL MATERIALS.** (3-2-2). Internal stresses and deformation of bodies resulting from action of external forces; concepts and techniques of testing tensile, compression, shear, transverse, elasticity on various materials and fasteners. Prerequisite: 2790, credit for or registration in MATH 2130.

- 4820. PRODUCTION AND INVENTORY CONTROL.** (3-3-0). Planning and control of production; operation analysis; routing, scheduling, dispatching; production charts and boards; inventory control; accumulation of material requirements; use of critical path techniques. Prerequisite: 2040, Math 2140, or consent of instructor.
- 4890. OPERATIONS RESEARCH.** (3-3-0). Introduction to linear, nonlinear, and dynamic programming. Course covers theories of deterministic and stochastic models for decision making purposes through applications and interpretation of results. Prerequisite: 1080, 2040 and MATH 2140.
- 4900. RESEARCH METHODS.** (3-3-0). This course provides foundational preparation and understanding of scientific research methods, types of research, tools for research tools, research ethics, acquisition of prior research knowledge and presentation of findings. Prerequisite: Credit for or registration in EET 4940.
- 4910. MODELING AND SIMULATION.** (3-3-0). Introduction to discrete event and continuous simulation models for decision making purposes. Course includes input data modeling, output data analysis, model verification and validation, and optimization of system parameters. Prerequisite: 1080, 2040, and MATH 2140 or consent of the instructor.
- 4920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of advanced special problems. Individual or group independent work. Prerequisite: At least twelve (12) semester hours credit in IET and/or EET courses and consent of instructor.
- 4940. PROJECT DESIGN I.** (3-3-0). Principles of project management and engineering economics. Development of proposals for senior design project. Prerequisites: Credit for or registration in English 3230, 3190 or IET 3720 and senior status or consent of instructor.
- 4950. RESEARCH PROBLEMS.** (1 to 3-0-0). The student selects a problem in his major field and through investigation formulates an acceptable solution. Prerequisite: Upper level status and consent of instructor.
- 4960. PROJECT DESIGN II.** (3-0-0). This is a capstone course for ET majors. Students will work with a professor to design a project that reflects several aspects of the student's curriculum. Independent or group work. Students will prepare a written project report and give an oral presentation. Prerequisite: EET 4940.

For Undergraduates Only

## INDUSTRIAL AND SYSTEMS ENGINEERING (ISE)

- 1350. ELECTRICAL CIRCUITS DESIGN.** (3-3-0). This course provides students with foundational knowledge and skills in electrical circuit design. Topics include circuit analysis, design principles, practical implementations, and simulation techniques. Students will learn how to design, simulate, and troubleshoot various electrical circuits for real-world applications. Prerequisites: Credit for or registration in MATH 2100.
- 1370. ANALOG AND DIGITAL ELECTRONICS.** (3-3-0). Principles of semiconductor devices and circuits. Design and analysis of diode and bipolar junction transistor and MOSFET in switching and amplifier circuits, Logic functions, logic gates, number systems and conversions, Boolean algebra, logic simplification, combinational circuits, programmable logic devices, and flip-flops, Analysis and design of basic digital logic circuits. Prerequisite: ISE 1350.

- 1400. ENGINEERING DRAWING AND DESIGN.** (3-2-2). Topics include engineering drawing standards, geometric dimensioning and tolerancing (GD&T), computer-aided design (CAD) software, and the development of engineering documentation. Students will learn to interpret and create detailed technical drawings, 3D models, and assembly layouts focusing on design for manufacturability, efficiency, and optimization in industrial systems. Collaborative design projects provide hands-on experience in solving real-world engineering problems.
- 1700. ENGINEERING ETHICS.** (1-1-0). An introductory course on engineering ethics, the role of an engineer with regards to ethics, how case studies are utilized in engineering ethics, and how to use problem solving skills in ethical situations.
- 2040. PROBABILITY AND STATISTICS FOR ENGINEERS.** (3-3-0). A comprehensive introduction to probability and statistics with an emphasis on engineering applications. Topics include descriptive statistics, probability theory, discrete and continuous distributions, sampling, hypothesis testing, regression, and correlation. Prerequisite: Credit for or registration in MATH 2110.
- 2110. INDUSTRIAL ROBOTICS AND AUTOMATION.** (3-2-2). This course introduces the principles and applications of industrial robotics and automation systems in modern manufacturing and industrial environments. Topics include robotic components, kinematics, programming, and integration with automation systems. Students will explore robot design, motion control, end-effectors, and sensors, as well as safety standards and ethical considerations. Hands-on lab activities and simulations will focus on robotic programming, system troubleshooting, and optimizing automation processes. Emphasis will be placed on real-world applications such as material handling, assembly, welding, and inspection. By the end of the course, students will develop the skills to design, operate, and maintain robotic and automated systems to meet industry needs. Prerequisites: ISE 1400, MATH 2110 and PHYS 2510.
- 2200. POWER SYSTEMS AND PROTECTION.** (3-3-0). AC Power, Three-phase Power, Power Quality, Loads, Transmission and Distribution Systems, Transformers, Analyzing Transmission Line, Study of Power System, Faults, and Protection. Prerequisite: ISE 1350.
- 2210. PROGRAMMABLE LOGIC CONTROLLERS.** (3-3-0). This course introduces students to the fundamentals of Programmable Logic Controllers (PLCs) and their applications in industrial automation. Students will learn about the architecture, programming, and operation of PLCs, as well as their integration into control systems. The course emphasizes practical skills in designing, programming, and troubleshooting PLC-based systems. Prerequisites: ISE 1370, credit for or registration in ISE 2211, and MATH 2100.
- 2211. PROGRAMMABLE LOGIC CONTROLLERS LABORATORY.** (1-0-2). This course provides hands-on experience with programmable logic controllers used in industrial applications. The students will learn about Ladder Logic Programming, Relays, PLC in Automation & Control, and Safety, Hands-on laboratory experiments and projects will help the students to design, implement, and troubleshoot PLCs. Prerequisites: Credit for or registration in ISE 2210.
- 2330. ELECTRIC MOTOR CONTROL.** (3-3-0). This course introduces the principles and practices of electric motor control. Students will learn about the construction, operation, and control of various types of electric motors, including DC, AC, and servo motors. The course covers motor control circuits, motor starters, relays and programmable logic controllers (PLCs). Emphasis is placed on practical applications and troubleshooting techniques. Prerequisite: ISE 1350, credit for or registration in ISE 2331, and MATH 2100.
- 2331. ELECTRIC MOTOR CONTROL LABORATORY.** (1-0-2). This laboratory course provides hands-on experience with electric motor control systems. Students will learn to design, implement, and troubleshoot motor control circuits using various components such as relays, contactors, and programmable logic controllers (PLCs). The course emphasizes practical skills in wiring, programming, and maintaining motor control systems, with a focus on safety and industry standards. Prerequisite: Credit for or registration in ISE 2330.
- 2350. ADVANCED ELECTRONICS.** (3-3-0). Advanced semiconductor devices. Power amplifiers, Class A, B, and C amps, and the emitter follower. JFET and MOSFET devices and circuits, differential and operational amplifiers. Prerequisite: EET 1370, credit for or registration in ISE 2351, and MATH 2100.
- 2351. ADVANCED ELECTRONICS LABORATORY.** (1-0-2). This laboratory course accompanies ISE 2350. Prerequisite: Credit for or registration in ISE 2350.
- 2570. ENGINEERING ECONOMICS.** (3-3-0). Principles and applications of economic analysis are presented through engineering-oriented examples. Introduction and definitions of economic factors, analysis methods for evaluating alternative choices, and decision-making tools for real-world situations. Prerequisites: MATH 2110, ECON 2000.
- 2790. STATICS AND STRENGTH OF MATERIALS.** (3-3-0). Covers the principles of statics and mechanics of materials, including forces on structures, equilibrium, stress-strain relationships, and deformation of solids. Applications focus on industrial and systems engineering. Prerequisite: MATH 2110, PHYS 2510.
- 3100. PROJECT ENGINEERING.** (3-3-0). Project evaluation and selection; project team project life cycle, scope management; stakeholder engagement, project execution; project control; project closing; team-based collaboration; project documentation agile and hybrid project management; project management software tools. Prerequisite: Junior or senior standing or consent from instructor.
- 3150. FLUID MECHANICS.** (3-2-2). This advanced course explores the principles of fluid statics and dynamics for both compressible and incompressible fluids, with a focus on their applications in industrial hydraulic and pneumatic systems. Students will study the design, construction, and analysis of hydraulic and pneumatic circuits, including the integration of control systems to optimize system performance. The course will also cover the use of specialized software tools for modeling, simulating, and analyzing these fluid power systems. Emphasis will be placed on understanding the functional components, their interactions, and the methodologies for designing and optimizing piping circuits in complex industrial settings. Additionally, the course will address aerodynamic principles, including the analysis of drag and lift forces, relevant to fluid motion and system design in both fluid power and aerodynamics contexts. Prerequisite: MATH 2110.
- 3360. INSTRUMENTATION AND CONTROL.** (3-3-0). This course introduces the fundamental concepts of feedback systems and control system design. Topics include system modeling in the time domain, dynamic response, feedback properties, stability analysis, root-locus techniques, frequency-response methods, and an introduction to Programmable Logic Controllers (PLCs). Students will learn to model physical processes, analyze system stability and performance, and design simple feedback control systems. The course emphasizes the importance and limitations of feedback control, providing foundational tools for analysis and synthesis. It also serves as a stepping stone for advanced studies in control system design and applications. Prerequisite: ISE 1370, credit for or registration in ISE 3361, and MATH 2110.

- 3361. INSTRUMENTATION AND CONTROL LABORATORY.** (1-0-2). This laboratory course accompanies ISE 3360. Prerequisite: Credit for or registration in ISE 3360.
- 3400. SYSTEMS ENGINEERING.** (3-3-0). This course covers all basic concepts of systems engineering. The objective is to provide the basic knowledge and tools for transforming an operational need into a well-defined system configuration, through an interactive design process of issue formulation, analysis, optimization, design synthesis, system integration, and testing. Prerequisites: 2040, and Junior standing.
- 3510. METHODS AND WORK DESIGN.** (3-3-0). This course explores the principles and techniques of methods engineering and work design to optimize productivity and efficiency in industrial settings. Topics include work measurement techniques, process analysis, ergonomics, workplace design, and time study. Students will apply engineering principles to design effective work systems, evaluate existing processes, and develop solutions to improve safety, quality and performance. Hands-on activities and projects will enhance students' understanding of real-world applications in manufacturing and service environments. Prerequisites: ISE 1080 and 2040.
- 3720. STATISTICAL QUALITY CONTROL.** (3-3-0). This course introduces statistical methods and quality management philosophies. Topics include theories of measurement and error analysis, predictive modeling, sampling techniques, hypothesis testing, control charts (Shewhart, CUSUM, and EWMA), process capability analysis, and acceptance sampling. The course also explores foundational quality management philosophies, such as Total Quality Management (TQM), Six Sigma, and Continuous Improvement, integrating these frameworks with statistical tools to monitor and enhance manufacturing and service processes. Prerequisite: ISE 2040.
- 3730. ENGINEERING MATERIALS AND MANUFACTURING PROCESSES.** (3-2-2). This course provides an understanding of material properties, structure, and design, with a focus on material selection and manufacturing processes. It covers the mechanical properties of metals, plastics, and ceramics, the impact of various parameters on high-tech applications, and the effects of corrosion. Students will explore the integration of AI and simulation software for material selection and process optimization. The course also examines materials for specialized applications in the space industry, biomedical fields, and energy sectors, with an emphasis on relevant characterization, analytical techniques, and discovery methods. The course prepares students to make informed decisions in engineering design, material selection, and process optimization using advanced AI-driven technologies. Prerequisite: MATH 2110, and CHEM 1030.
- 3740. MANAGEMENT OF TECHNICAL ORGANIZATIONS.** (3-3-0). This course covers the management of technical organizations, focusing on the integration of engineering principles with organizational behavior and management practices. Key topics include leadership in technical settings, strategic planning, decision-making processes, project management, and the dynamics of innovation within engineering teams. Students will explore case studies and engage in projects that emphasize the application of management theories to real-world technical environments, preparing them to effectively lead and manage a technical organization. Prerequisites: ISE 1700, and Junior standing or permission from instructor.
- 3820. HUMAN FACTORS AND SAFETY.** (3-2-2). This course provides an introduction to the principles of human factors and occupational safety in industries. Topics include hazard and risk management fundamentals, management engagement in safety initiatives, and occupational safety and health regulations. Students will learn risk assessment techniques, methods for incident prevention, and the role of human factors in improving system design and performance. Emphasis is placed on integrating safety practices into organizational processes to enhance productivity and ensure a safe working environment. Prerequisite: ISE 2040.
- 3880. PRODUCTION AND INVENTORY CONTROL.** (3-3-0). Planning and control of production; operation analysis; routing, scheduling, dispatching; production charts and boards; inventory control; accumulation of material requirements; use of critical path techniques. Prerequisite: ISE 2570.
- 3900. THERMODYNAMICS AND APPLICATIONS.** (3-2-2) This course provides an introduction to the principles of thermodynamics and their applications in engineering systems. Topics include energy, work, and heat transfer, as well as the laws of thermodynamics. Students will analyze thermodynamic processes, cycles, and properties of pure substances, with a focus on engineering applications such as power generation, refrigeration, and air conditioning systems. Hands-on problem-solving and case studies will enhance understanding of real-world scenarios and the impact of thermodynamic design decisions on sustainability and efficiency. Prerequisites: ISE 1350, MATH 3130, and PHYS 2520.
- 4030. RELIABILITY ENGINEERING.** (3-2-2). This course provides a foundational understanding of reliability engineering principles and practices. Students will explore the techniques used to design, analyze, and maintain systems for optimal performance and longevity. Emphasis is placed on practical applications, leveraging statistical methods, failure analysis, and design optimization to solve real-world reliability challenges. Prerequisite: ISE 3720.
- 4100. PROFESSIONAL FIELD EXPERIENCE.** (3-0-6). The Professional Field Experience course provides students with practical, hands-on exposure to real-world engineering environments. Students will engage in supervised internships, co-op programs, or field assignments to apply theoretical knowledge, develop technical skills, and understand professional practices. Emphasis is placed on teamwork, communication, problem-solving, and ethical considerations within an organizational context. The course fosters the development of industry-relevant competencies and prepares students for their engineering careers. Prerequisites: ISE 1700, 3740, 3820, and placement in a related job.
- 4350. AUTOMATION AND CONTROL.** (3-3-0). This course provides hands-on experience with automation and control systems used in industrial applications. Students will work with various sensors, actuators, and controllers to design, implement, and troubleshoot automated systems. The laboratory exercises emphasize practical skills in programming, system integration, and the use of modern control technologies. Prerequisite: ISE 3360, MATH 2110, credit for or registration in ISE 4351.
- 4351. AUTOMATION AND CONTROL LABORATORY.** (1-0-2). This course provides hands-on experience with automation and control systems used in industrial applications. Students will work with various sensors, actuators, and controllers to design, implement, and troubleshoot automated systems. The laboratory exercises emphasize practical skills in programming, system integration, and the use of modern control technologies. Prerequisite: Credit for or registration in ISE 4350.

- 4360. WIRELESS COMMUNICATION SYSTEMS.** (3-3-0). Introduction to communication systems, wireless propagation channels, wireless communication over a single link, wireless communication with multiple users, advanced transmission techniques and special features. Prerequisites: ISE 1350, ISE 2040, MATH 2110.
- 4361. WIRELESS COMMUNICATION SYSTEMS LABORATORY.** (1-0-2). In the Wireless Communications Systems Laboratory, the transmitter, propagation channel, receiver are modeled and explored. Also, wireless communication over a single link and with multiple users are simulated. Prerequisite: Registration in or completion of ISE 4360.
- 4700. MANUFACTURING FACILITIES DESIGN.** (3-3-0). This course covers the principles and methodologies for the design and layout of manufacturing facilities. Topics include facility location, material handling systems, workflow analysis, space utilization, and lean manufacturing principles. Students will learn to design efficient layouts that optimize productivity, reduce costs, and ensure safety and sustainability in manufacturing environments. Case studies and practical applications will enhance problem-solving skills and prepare students for real-world challenges in manufacturing systems. Prerequisites: ISE 2570, 3510, and MATH 3170.
- 4890. DETERMINISTIC OPERATIONS RESEARCH.** (3-3-0). Introduction to deterministic modeling techniques for decision-making in industrial systems engineering, including linear programming, transportation, and assignment problems, and network optimization models. Prerequisite: 1080, 2040, MATH 2110.
- 4910. MODELING AND SIMULATION.** (3-3-0). Study of modeling and simulation techniques applied to industrial and systems engineering. Topics include discrete-event simulation, system dynamics, and Monte Carlo methods with a focus on industrial applications. Prerequisite: 2040, 3510; MATH 2110.
- 4920. STOCHASTIC OPERATIONS RESEARCH.** (3-3-0). Advanced techniques for modeling uncertainty in industrial systems, including Markov chains, queuing theory, stochastic inventory models, and decision theories. Emphasis on real-world applications. Prerequisite: 2040, MATH 2110.
- 4940. CAPSTONE DESIGN PROJECT I.** (2-2-0). The Capstone Design Project course serves as the culminating experience for students, integrating knowledge and skills acquired throughout their academic journey to solve real-world engineering problems. Working in teams, students will identify project objectives, conduct research, design innovative solutions, and present their findings through technical reports and presentations. The course emphasizes engineering design, project management, teamwork, communication, and the ethical and societal impacts of engineering solutions. Prerequisite: Senior status or consent of instructor.
- 4960. CAPSTONE DESIGN PROJECT II.** (1-0-3). This course continues the capstone project, enabling students to work independently or in teams to develop innovative solutions to complex engineering challenges. Students will present their findings through detailed technical reports and professional presentations. Emphasis is placed on engineering design, project management, teamwork, effective communication, and consideration of ethical and societal implications of engineering practices. Prerequisite: 4940.

## INTERDISCIPLINARY STUDIES (IDS)

For Undergraduates Only

- 2000. SERVICE LEARNING.** (2-2-0). Service Learning experiences within and outside the University setting. Current issues, values, and opportunities essential for relating service, volunteerism and leadership to academic study.

- 3000. FOUNDATIONS IN PROFESSIONAL STUDIES.** (3-3-0). Exploration and development of a knowledge base in the philosophy, leadership, and trends of professional studies. Forum in which students explore a relationship between prior learning gained from collegiate and non-collegiate instruction and philosophy and theories in education. Career assessment, planning and evaluation. This course lays the foundation for development of an academic portfolio that will serve as an opportunity for the student to translate knowledge and skills obtained from prior instruction into academic credit.
- 4010. INTERNSHIP.** (3 to 6-0-6 to 12). Supervised work experience in the student's area of professional interest and/or background. Focus on professional development, application of skills, development of work habits, and transition from college to career. Prerequisite: Senior standing and consent of instructor.
- 4020. PERSPECTIVES/SENIOR SEMINAR.** (3-3-0). This course is part one of a two-part series that prepares seniors in the Bachelor of General Studies (BGS) and Bachelor of Arts in Liberal Arts (BALA) programs for making the transition from student to professional. The course will include sections on the key differences between college and the workforce, professional writing and resume development, networking, interview etiquette and techniques, and self-reflection. Prerequisite: Bachelor of General Studies (BGS) or Bachelor of Arts in Liberal Arts (BALA) students, senior standing.
- 4030. CAREER READINESS/SENIOR SEMINAR.** (3-3-0). This course is part two of a two-part series that prepares seniors in the Bachelor of General Studies (BGS) and Bachelor of Arts in Liberal Arts (BALA) programs for making the transition from student to professional. The course will include sections on graduate school and/or career research, networking, informational interviews, continuation resume development, the top soft skills required for today's workforce, and portfolio development. Prerequisite: Bachelor of General Studies (BGS) or Bachelor of Arts in Liberal Arts (BALA) students, senior standing; IDS 4020.

## LATIN (LATN)

For Undergraduates Only

- 1010. INTRODUCTION TO LATIN.** (3-3-0). The fundamentals of Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax. Aspects of Roman culture and its tradition in the Western world will also be discussed.
- 1020. ELEMENTARY LATIN.** (3-3-0). A continuation of LATN 1010. Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax and additional study of the Latin tradition. Prerequisite: C or better in LATN 1010 or the equivalent.

## LIBRARY (LIB)

For Undergraduates Only

- 1030. INFORMATION SOURCES AND SERVICES.** (3-3-0). The student will learn how to identify and evaluate information from various formats, sources and services using basic and advanced searching techniques. They will gain an understanding of the cultural and social contexts in which information is produced and disseminated. Issues of ethical and legal use of information, including copyright, intellectual property, and plagiarism will be explored within the context of current trends in academic plagiarism and media piracy. This is a foundational course. No prerequisites or co-requisites are required.

For information about obtaining Library Science certification,

please visit the Louisiana Believes website at:

<https://www.teachlouisiana.net/Checklist/LIBRARYSCIENCE.pdf>

For Undergraduates Only

- 4050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy.
- 4070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators.
- 4100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 4050, 4160, 4170, 4070, or consent of the instructor.
- 4160 LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program
- 4170. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature.
- 4180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, and LCSH. Issues related to automation, electronic services, and technology in these areas are explored.
- 4190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: EDUC 3140.

- 5020. LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program. Prerequisite: A valid teaching certificate; graduate status.
- 5030. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature. Prerequisite: A valid teaching certificate; graduate status.
- 5050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy. Prerequisite: A valid teaching certificate; graduate status. (Provides three hours of credit toward school library service certification under part one, elementary and/or secondary school library services.)
- 5070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators. Prerequisites: A valid teaching certificate; graduate status.
- 5100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 5050, 5020 or 5030, 5070 or consent of the instructor.
- 5180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, AND LCSH. Issues related to automation, electronic services, and technology in these areas are explored. Prerequisites: A valid teaching certificate; graduate status.
- 5190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: A valid teaching certificate; graduate status.

## MANAGEMENT (MGT)

For Undergraduates Only

- 1020. BASIC LEADERSHIP.** (2-2-0). Application of the principles of leadership and management by objectives.
- 2500. PERSONNEL AND SUPERVISION.** (3-3-0). For practicing or potential first-line supervisors and middle-level managers. Managerial functions of planning, organizing, staffing, directing and controlling as they relate to personnel supervision.
- 3220. ORGANIZATION AND MANAGEMENT.** (3-3-0). Management processes and ethics, with focus on the management of people in organizations, their behavior, motivation, and interactions with management structure. Prerequisite: Junior standing and BUAD 2200. A common body of knowledge course.
- 3500. MANAGEMENT SCIENCE TECHNIQUES.** (3-3-0). Major statistical and quantitative techniques useful in modern management. Prerequisites: Successful completion of Accounting 2000 and Business Administration 2120 or Accounting 2000 and SSTA 3810.
- 3580. OPERATIONS MANAGEMENT.** (3-3-0). Principles of operations management applicable to manufacturing and service organizations. Topics include forecasting, product design, process planning, facilities layout and location, aggregate planning, inventory control, just-in-time manufacturing, MRP, quality control, scheduling, supply chain management, PERT/CPM, and other related topics. Prerequisite: Successful completion of Management 3220 and Business Administration 2120 or Management 3220 and SSTA 3810.
- 4100. MARKETING MANAGEMENT.** (3-3-0). Elements of marketing; relationship of marketing problems to policy decisions in other divisions of business organization; recent developments and oral presentation. (This course is the same as MKTG 4100). Prerequisite: MKTG 3230.
- 4270. HUMAN RESOURCES MANAGEMENT.** (3-3-0). Industrial and personnel management; the case study approach, independent reading and investigation, and oral presentation. Prerequisite: MGT 3220.
- 4280. SHRM ESSENTIALS OF HUMAN RESOURCES.** (3-3-0). The SHRM Essentials of Human Resources program provides an introductory overview of key HR topics and the fundamental issues surrounding HR to help you effectively approach the challenges and everyday situations you face on the job.
- 4300. STRATEGIC MANAGEMENT AND POLICY.** (3-3-0). A capstone project-oriented and integrated case method course; the first of two Quality Enhancement Program (QEP) capstone courses. Students will engage in performance-based project development utilizing the foundational skills and business common body of knowledge required to investigate and identify a business endeavor to pursue while preparing to successfully implement a results-driven project with the community. Prerequisites: Senior standing and successful completion of MGT 3220, 3580, MKTG 3230, FIN 3090.
- 4320. ADVANCED MANAGEMENT.** (3-3-0). A capstone project-oriented experiential, "hands-on" course; the second of two Quality Enhancement Program (QEP) capstone courses. Students will engage in performance-based project implementation including executing a developed business project plan with selected community partner(s). Organization and project design, strategy and structure, corporate culture and governance, strategic control and reward systems, and business ethics will be integrated into the experience. Project management, management tools, managerial decision analysis, value chain, and strategic activity systems will be employed as well as presentation and communication skills, tools, and business platforms. Prerequisites: Pre- or co-requisite of MGT 4300.
- 4350. INTERNATIONAL COMPARATIVE MANAGEMENT.** (3-3-0). Survey of organizational forms, management methods, employment policies, and sales distribution strategies prevalent in selected foreign countries. Influence of culture and institutional environment on the evolution of management practices. Material will be drawn from history, geography, sociology, political science and economics. Prerequisites: Management 3220 and Marketing 3230.
- 4400. THE MANAGEMENT OF CHANGE.** (3-3-0). Factors relating to the accelerated rate of change and their implications for management. Technological, social, and economic changes with problems of resistance to change, executive obsolescence, and predictions for the future. Prerequisite: 3220.
- 4450. PURCHASING AND SUPPLY MANAGEMENT.** (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost/price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MKTG 4450.) Prerequisite: MGT 3220, MKTG 3230.
- 4460. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning—forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MKTG 4460.) Prerequisites: MGT 3220, MKTG 3230.
- 4500. LEADERSHIP, MOTIVATION AND POWER.** (3-3-0). This course is designed to offer students opportunities to enhance their leadership skills. Leadership lessons, motivation, and power challenges experienced in business management are explored. This course is organized around a three-part interactional framework – the leader, followers, and the situation – providing clear understanding of the nature of the relationship between leaders and followers. The course will apply theory and research to real-life experiences. Experiential exercises, self-assessments and leadership cases demonstrate the skill sets required by the successful leader. Prerequisite: junior standing and successful completion of MGT 3220.
- 4700. MANAGEMENT OF ELECTRONIC BUSINESS.** (3-3-0). Strategic and operational issues in the management of electronically networked and virtual business organizations. Technology enabled business models, global Internalization, opportunities and challenges of the Internet economy, planning, organizing, leadership, and control of e-business. Prerequisites: MGT 3220, MKTG 3230 and CIS 3100.
- 4840. STRATEGIC INFORMATION SYSTEMS PROJECT MANAGEMENT.** (3-3-0) Provides students with the theory and practice of project management applied to information systems. The course will cover an integrated view of tools, techniques, and skills that are needed to successfully manage information systems projects. Information has become an integral part of the success of any organization. Now, more than ever, managers need a clear understanding of how to integrate information systems in the organization. This course will allow students to successfully combine the information systems knowledge with the organization's project management to create value for any company. Students will not only utilize their technical skills, but they will also improve the soft skills needed to manage teams and achieve a valuable communication with all stakeholders. Students will cover the material and education hours needed to sit for the Certified Associate in Project Management (CAPM) exam. (This course is the same as CIS 4840.) Prerequisites: CIS 3100 and MGT 3220.



## MARKETING (MKTG)

For Undergraduates Only

- 2200. SALESMANSHIP.** (3-3-0). Selling, sales techniques, sales role-playing, and characteristics of a good sales person. History of selling and the salesperson's role in our economy included to provide a deeper understanding of the contributions made by the American salesman.
- 3230. PRINCIPLES OF MARKETING.** (3-3-0). Marketing functions, channels of distribution, marketing institutions, marketing analysis, price determinants, marketing trends. Prerequisite: BUAD 2120 and BUAD 2200.
- 3300. SPORTS AND ENTERTAINMENT MARKETING.** (3-3-0). Examines sports and entertainment as products to be marketed as well as their use in marketing other products. The marketing mix, the marketing plan, target marketing, ethics, and other marketing-related business topics are discussed with a focus on sports, entertainment, and partners engaging in related promotions or sponsorships. Example topics range from celebrity endorsements, team or brand image, and unique aspects of consumer behavior as related to sports and entertainment products. Prerequisite: MKTG 3230.
- 3820. MARKETING PROMOTIONS.** (3-3-0). Communication problems inherent in flow of marketing information; advertising, sales promotion, sales analysis, marketing research. Prerequisite: 3230.
- 3900. SERVICES MARKETING.** (3-3-0). Developing, pricing, distributing, and promoting the service; control of quality of customer encounters through service automation and/or employee selection and training; place of marketing in service organization structure; strategic implications of structure of service industries. Prerequisite: 3230.
- 4100. MARKETING MANAGEMENT.** (3-3-0). Elements of marketing; relationship of marketing problems to policy decisions in other divisions of business organization; recent developments and oral presentation. Prerequisite: 3230.
- 4200. PERSONAL SELLING.** (3-3-0). The principles of the personal selling process, analysis of the market and the product, development and delivery of the sales presentation, and relationship building. Prerequisite: 3230.
- 4350. RETAIL MANAGEMENT PROBLEMS.** (3-3-0). Retailing functions in large and small establishments; personnel selection, training and supervision; logistics; merchandise management; relations with suppliers; management of non-merchandising functions. Prerequisite: 3230.
- 4370. CONSUMER BEHAVIOR.** (3-3-0). Behavioral theories relevant to consumer motivations and buyer behavior. Psychology, sociology, and anthropology as aids to the development of marketing policies and strategies. Prerequisite: MKTG 3230.
- 4440. MARKETING RESEARCH.** (3-3-0). The academic and applied elements of marketing research, including modeling, sampling, survey, instrument design, data collection, computer-based data analysis and data presentation. Prerequisites: Marketing 3230 and Business Administration 2120 or Marketing 3230 and SSTA 3810.
- 4450. PURCHASING AND SUPPLY MANAGEMENT.** (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost/price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MGT 4450.) Prerequisite: MGT 3220, MKTG 3230.

- 4460. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning, forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MGT 4460.) Prerequisites: MGT 3220, MKTG 3230.
- 4500. INTERACTIVE MARKETING.** (3-3-0). Theoretical and applied concepts and practices related to interactive and Internet marketing. Prerequisites: MKTG 3230 and junior standing.
- 4600. SEARCH ENGINE OPTIMIZATION AND SOCIAL MEDIA MARKETING.** (3-3-0). The course will focus on search engine optimization and social media marketing. It analyzes the tools and methodologies to achieve an optimized website: understanding web crawler's website ranking, and difference in search engines, search engine marketing and ethics in SEO. Emphasis will be placed on current practices and technologies used by SEO professionals in today's businesses as well as broad approach to the history, theory, technology, impact and strategic uses of social media. Techniques to apply and adapt basic and advanced marketing strategies to construct and critically evaluate social media in business contexts will be examined. Hands-on experience with several forms of SEO and social media will be used in real-world business cases. Prerequisites: Junior standing and MKTG 3230.

## MATHEMATICS (MATH)

For Undergraduates Only

Placement in first year mathematics is based on ACT or SAT scores

- 1010. INTRODUCTION TO MATHEMATICS.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities. Prerequisite: Declared Mathematics or Mathematics Education major.
- <sup>1</sup>1020. COLLEGE ALGEBRA.** (3-3-0). A graphing treatment of the essential topics of college algebra with emphasis on functions, graphing, and applications. A graphing calculator will be required for the course.
- 1021. COLLEGE ALGEBRA RECITATION.** (2-2-0). Solving problems from concepts covered in Math 1020 with supplemental instruction in basic algebraic concepts. This course may not be used to satisfy requirements for any degree. Prerequisite: Placement based on ACT, SAT, or results of Mathematics Placement Exam. Corequisite: 1020.
- 1035. CONTEMPORARY MATHEMATICS.** (3-3-0). An introduction to topics in contemporary mathematics. Topics may include problem solving and reasoning, set theory and Venn diagrams, perspective and symmetry in art, formal Aristotelian logic, graph theory, elementary number theory, optimization, numeracy in the real world, geometry, and apportionment and voting methods.
- 1036. CONTEMPORARY MATHEMATICS RECITATION.** (2-0-2). Solving problems from concepts covered in MATH 1035 with supplemental instruction in basic algebraic concepts. This course may not be used to satisfy requirements for any degree. Prerequisite: Placement based on ACT, SAT, or results of Mathematics Placement Exam. Corequisite: 1035.
- <sup>1</sup>1060. FINITE MATHEMATICS.** (3-3-0). Systems of linear equations, vectors, matrices, and matrix algebra; linear inequalities; counting techniques: permutations and combinations; probability; basic concepts in mathematics finance (annuities included); and an introduction to statistics. Prerequisite: 1020 or 1035.

- 1090. TRIGONOMETRY.** (3-3-0). Trigonometric functions; relations between functions; solution of triangles with applications to practical problems; trigonometric formulas and identities; radian measure; graphic representation of trigonometric functions; inverse trigonometric functions, trigonometric equation. Prerequisite: Registration in or credit for 1020 or consent of department head. Credit not allowed in 1100 and 1020-1090.
- 1100. PRECALCULUS MATHEMATICS.** (6-6-0). An accelerated study of college algebra and college trigonometry topics from analytic geometry, the concept of function, and the construction and interpretation of graphs. Prerequisite: Placement based on Mathematics section of ACT, SAT, or grade of C or higher in Mathematics 0920. Credit not allowed in this course and 1810, or 1020-1090.
- 1820. TECHNICAL MATHEMATICS I.** (3-3-0). This course is an introduction to concepts and applications of algebra and statistics with specific application to engineering and electronic technology. Included in the course are the following topics: mathematical concepts of functions, the various numbering systems, mathematical modeling using mathematical functions to problem situations that occur in industrial and electronic technology. Additionally, the course includes an introduction to data organization, data analysis, descriptive and inferential statistics as used in industrial and electronic technology.
- 1821. TECHNICAL MATHEMATICS I RECITATION.** (2-2-0). Solving problems from concepts covered in MATH 1820 with supplemental instruction in basic algebraic concepts. This course may not be used to satisfy requirements for any degree. Prerequisite: A grade of C or higher in 0920. Placement in this course is based on ACT, SAT, or results of Mathematics Placement Exam. Corequisite: 1820.
- 1830. TECHNICAL MATHEMATICS II.** (3-3-0). This course is an introduction to concepts and applications of trigonometric and transcendental functions with specific application to engineering and electronic technology. Included in the course are the following topics: applied geometric concepts, properties of, and measurement in, geometric figures, angles and angle measure, trigonometric functions in right triangles and circular/periodic functions of any angle, graphs of trigonometric functions trigonometric identities, solving trigonometric equations solving triangles. Transcendental functions include exponents and radicals, logarithmic and exponential functions. Other topics include computations using complex numbers, representing complex numbers in various forms, properties of, and application of vectors to engineering and electronic technology. Prerequisite: 1820 or consent of Department Head.
- 2010. SURVEY OF CALCULUS.** (3-3-0). Basic concepts of calculus; applications in other disciplines. Credit not allowed in both 2010 and 2100. Prerequisite: 1020.
- 2030. ELEMENTARY AND MIDDLE SCHOOL MATHEMATICS.** (3-3-0). Mathematical concepts, applications, and processes relating to elementary and middle school mathematics. Prerequisite: Completion of University core mathematics requirements.
- 2040. INFORMAL GEOMETRY AND MEASUREMENT.** (3-3-0). The study of the geometry of one, two, and three dimensions in a variety of situations. The study of measurement of length, volume, weight/mass, and temperature in standard and metric units and its application in problem situations. Prerequisite: 2030.
- 2050. MATHEMATICS OF STATISTICS.** (3-3-0). Statistics as a scientific tool; frequency distributions, tabular and graphical representation of data; measures of central tendency; normal curve; correlation; sampling; probability curve fitting; limitations of theory. Prerequisite: A minimum of three hours of college-level mathematics from one of the following courses: 1020, 1035, 1060, 1090, 1100, or 2100.
- 2080. FUNDAMENTALS OF PROOF.** (3-3-0). Introduction to mathematical proofs; propositional logic, induction, proof techniques, sets, relations, and functions. Prerequisite: 2100. Concurrent enrollment in 2100 is permitted.
- 2100. ANALYTICAL GEOMETRY AND CALCULUS I.** (5-5-0). Elementary functions; the concept of the derivative; the concept of the integral; differentiation formulas; applications of the derivative. Prerequisites: Grade of "C" or better in 1100, or in both 1020 and 1090, or consent of instructor.
- 2110. ANALYTICAL GEOMETRY AND CALCULUS II.** (5-5-0). Constructing antiderivatives; techniques of integration; applications of the definite integral; series; differential equations. Prerequisite: 2100.
- 2130. CALCULUS FOR ENGINEERING TECHNOLOGY I.** (3-3-0). This course is a technologically supported treatment of topics and techniques of differential calculus with applications to electronic and engineering technology. Prerequisite: 1830 or consent of Department Head.
- 2140. CALCULUS FOR ENGINEERING TECHNOLOGY II.** (3-3-0). This course is a technologically supported treatment of topics and techniques of integral calculus with applications to electronic and engineering technology. The course includes topics in sequences, Taylor and Maclaurin series, Fourier series, elementary differential equations, and Laplace transforms. Prerequisite: 2130 or consent of Department Head.
- 3000. SPECIAL PROBLEMS.** (3-3-0). A preparation course designed for students taking qualification exams for teaching high school mathematics. Possible topics include planar and circle geometry, theory of polynomial functions, rational and radical functions, complex numbers. Prerequisite: MATH 2100.
- 3020. FOUNDATIONS OF GEOMETRY.** (3-3-0). Plane geometry, solid geometry, coordinate geometry, non-Euclidean geometry, nature of proof, deductive reasoning, measurement, construction, areas, and volumes. Prerequisite: 2080.
- 3030. MATH SIMULATION.** (3-3-0). This course introduces techniques for creating computational simulations grounded in mathematics. Focusing on single-threaded applications, students will learn to calculate mathematical functions efficiently. Topics include practical applications such as linear regression for deriving results from known formulas as well as theoretical applications aimed at exploring proofs and counterexamples of conjectures. Prerequisite: CSC 2020 and CSC 2100 or permit of instructor.
- 3090. LINEAR ALGEBRA I.** (4-4-0). Systems of equations, matrices, vector spaces, linear transformations, determinants. Prerequisite: 2080, 2110.
- 3100. MODERN ALGEBRA I.** (3-3-0). Integer arithmetic; modular arithmetic; rings and fields; isomorphisms; polynomials over a field; ideals; homomorphisms and quotient rings; prime and maximal ideals. Prerequisite: 3090.
- 3130. ANALYTICAL GEOMETRY AND CALCULUS III.** (3-3-0). Functions of many variables; vectors and their properties; partial differentiation; optimization of functions of many variables; multiple integration. Prerequisite: 2110.
- 3140. ANALYTICAL GEOMETRY AND CALCULUS IV.** (3-3-0). Parameterized curves and surfaces, vector fields, line integrals. Green's theorem, flux integrals, divergence and curl, divergence theorem, Stokes' theorem. Prerequisite: MATH 3130.
- 3150. THEORY OF PROBABILITY.** (3-3-0). Introductory concepts; elementary principles of the theory of probability; dependence; expectation; binomial distribution; other distribution functions; applications. Prerequisite: 2110.

- 3160. ORDINARY DIFFERENTIAL EQUATIONS.** (3-3-0). First order equations; systems of first order equations; linear systems, forcing and resonance, nonlinear systems, discrete dynamical systems. Prerequisite: 2110.
- 3170. APPLIED LINEAR ALGEBRA.** (3-3-0). This course is a nonproofs-based treatment of topics and techniques in linear algebra with specific applications to engineering. Included in the course are the following topics: matrix operations and determinants, linear systems and transformations, vector spaces, eigenvalues and eigenvectors, orthogonality, and discrete dynamical systems. Prerequisite: MATH 3130. Concurrent enrollment in 3130 is permitted with the consent of the Department Head.
- 3270. FINANCIAL MATHEMATICS.** (3-3-0). Introductory financial mathematics; the time value of money; equations of value; mathematical analysis of annuities, loans, bonds, and cash flows; force of interest; immunization; arbitrage; derivatives. Prerequisite: 2110.
- 3300. SPORT DATA ANALYTICS I.** (3-3-0). This course introduces students to sport analytics and programming in R, focusing on statistical methods, data analysis, and decision-making in sports. Current advanced metrics will be introduced, discussed, and computed across a variety of professional and collegiate sports. Students will learn to manipulate data, perform statistical analyses, and visualize results using R. Prerequisite: MATH 2050.
- 3310. SPORT DATA ANALYTICS II.** (3-3-0). This course builds on foundational concepts in sports analytics. Students will explore historical and contemporary data, develop predictive models, and evaluate player performance, strategy, and team dynamics. There will be a strong emphasis on advanced sabermetrics. Prerequisite: MATH 3300.
- 3900. SPECIAL TOPICS IN MATHEMATICS.** (3-3-0). In depth study of various upper-level elective topics in mathematics; in particular, those not included explicitly among the catalog listings. Prerequisites: MATH 2110 and one semester of a 3000-4000 level math course. May be repeated for credit as topic varies.  
Subtitle:  
01- Dynamical Systems and Chaos
- 3910. CRYPTOLOGY.** (3-3-0). Methods Of Cryptography and Cryptanalysis from ancient times to the present are examined. Students will be required to write programs implementing some of the algorithms. Related topics such as the decipherment of lost scripts will also be discussed. Prerequisites: MATH 3100, CSC 1060.
- 4050. MATHEMATICS CONTENT AND CONCEPTS.** (3-3-0). A problem solving approach to develop understanding of the tasks included in the five strands of high school and middle school mathematics. Prerequisite: 2110 or 2030.
- 4060. THEORY OF NUMBERS.** (3-3-0). Foundations of the number system; repeating decimals; congruences; diophantine equations; continued fractions; quadratic residues. Prerequisite: 3090.
- 4070. HISTORY OF MATHEMATICS.** (3-3-0). A survey of important theorems in mathematics including their proofs from Ancient Greece to the modern era. Historical background providing context for how these theorems shaped the direction of mathematical thought. Biographical sketches of famous mathematicians. Prerequisite: 2080 and 2100.
- 4100. DISCRETE MATHEMATICS.** (3-3-0). Graphs; applications of graphs; Markov chains. Prerequisite: 2080.
- 4110. MODERN ALGEBRA II.** (3-3-0). Arithmetic in integral domains; unique factorization domains; groups; subgroups and LaGrange's theorem; isomorphisms and homomorphisms of groups; normal subgroups and quotient groups; field extensions; algebraic extensions; splitting fields; Galois Theory. Prerequisite 3100.
- 4130. TOPICS IN GAME THEORY.** (3-3-0). Zero sum games; strategies; infinity games; utility theory; N-Person games; indices of power; bargaining sets. Prerequisite: 3150.
- 4150. FOUNDATIONS OF MATHEMATICS AND COMPUTABILITY.** (3-3-0). An introduction to mathematical logic and computability. Topics to be covered include formal languages, first order logic, axiom systems, incompleteness and decidability, computability, and applications of logic and computability to computer science and programming languages. Prerequisite: 3090.
- 4170. ADVANCED CALCULUS.** (3-3-0). Advanced phases of limits and continuity; derivatives and differentials; functions of several variables; definite integrals; multiple integrals; line integrals; infinite series. Prerequisite: 3090.
- 4200. THEORY OF FUNCTION OF A COMPLEX VARIABLE.** (3-3-0). Real and complex numbers; differentiation and integration of a complex variable; mapping of elementary functions; linear fractional transformations; infinite series. Prerequisite: 4170 or consent of department head.
- 4260. PARTIAL DIFFERENTIAL EQUATIONS.** (3-3-0). Second order linear partial differential equations with mixed boundary conditions; orthogonal systems and their uses in solving partial differential equations. Prerequisite: 3160.
- 4320. LINEAR ALGEBRA II.** (3-3-0). Innerproduct spaces, determinants, eigenvalues, eigenvectors, diagonability, applications. Prerequisite: 3090.
- 4500. GENERAL TOPOLOGY.** (3-3-0). Development of the fundamental concepts of general topology including topological spaces, continuity of functions, product spaces, connectedness, compactness. Prerequisite: 3100.
- 4900. FIELD EXPERIENCE IN MATHEMATICS.** (3 to 12-0-0). Controlled work experience designed by the host organization and instructor to blend theory and practice. A minimum of 30 hours of employment is required for each hour of credit. Periodic evaluations, special projects, final report and presentation. Prerequisite: consent of department head.
- 4940. INTRODUCTION TO MATHEMATICAL RESEARCH.** (2-2-0). Sources of mathematical information, evaluating mathematical arguments, areas of mathematical research, using technology to communicate mathematics, writing mathematics, presenting mathematics. Prerequisite: 3100.
- 4950. MATHEMATICS – A CAPSTONE COURSE.** (4-4-0). A synthesis of previous mathematics courses; individually directed research; preparation for employment and teaching; an exit exam preparation. Prerequisite: 4940.
- 4960. MATHEMATICS – A CAPSTONE COURSE II.** (3-3-0). A continuation of directed study and independent research conducted in 4950.

<sup>1</sup>Acceptable sequences: 1020-1060, 1020-1090, 1020-2010, 2100-2110.

#### For Graduates Only

- 5020. SPECIAL TOPICS IN MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS.** (3-3-0).  
Subtitles:  
01-elementary mathematics  
02-history  
03-problem solving  
04-algebra  
05-geometry  
06-selected reading  
May not be used to fulfill requirements for M.S. degree in Mathematics Education. Prerequisite: Consent of department head.

**5350. SELECTED TOPICS IN MATHEMATICS. (3-3-0).**

Subtitles:

01- foundations

02- functions and relations

03- algebra

04-selected readings

05-special topics

Prerequisite: 2110.

## **MERCHANDISING (MRCH)**

For Undergraduates Only

- 2210. RETAIL MERCHANDISING. (3-3-0).** Organization and management of retail establishments; store location; buying; receiving; stock keeping; sales systems; store policies.
- 2220. FASHION MARKETING. (3-3-0).** Merchandising aspects of fashion; purchasing, display, and economic considerations.
- 3200. VISUAL MERCHANDISING. (3-3-0).** Theory and practice in promotion of products through visual merchandising including retail display techniques, fashion show production, special events, and other promotional activities in retailing. Prerequisite: ART 1010.
- 4220. FASHION MERCHANDISING STUDY TOUR. (3-3-0).** The fashion industry and apparel market with tours of designers' workrooms, buying offices, and related apparel/textiles organizations. Expenses incurred to be paid by participant. Prerequisite: Nine hours in Fashion Merchandising area or consent of instructor.

## **MILITARY SCIENCE AND LEADERSHIP (MSL)**

For Undergraduates Only

- 1010. INTRODUCTION TO THE ARMY. (1-1-0).** Introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management, and comprehensive fitness relate to leadership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture of understanding the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Prerequisite: Permission of instructor.
- 1011. INTRODUCTION TO THE ARMY LABORATORY. (1-0-3).** Hands on instruction in rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science and Leadership 1011 and 1021 requirements: human performance activity courses, Human Performance 1110. Prerequisite: Permission of Instructor.
- 1020. FOUNDATION OF AGILE AND ADAPTIVE LEADERSHIP. (1-1-0).** Introduces cadets to the professional challenges and competencies that are critical for effective leadership. Cadets learn about the personal development of life skills such as critical thinking, time management, goal setting, and communication. Cadets learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad level tactics that will be reinforced during a weekly lab facilitated by MSL III cadets and supervised by cadre. Prerequisite: Permission of instructor.

- 1021. FOUNDATION OF AGILE AND ADAPTIVE LEADERSHIP LABORATORY. (1-0-3).** Hands on instruction in advanced rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science and Leadership 1011 and 1021 requirements: human performance activities courses, Human Performance 1110. Prerequisite: Permission of Instructor.

- 1050. INTRODUCTION TO MILITARY PHYSICAL FITNESS I. (1-0-3).** Basic knowledge of physical fitness and PRT (Physical Readiness Training). Emphasis on precision (the quality of the movement or form), progression (the systematic increase in intensity & duration) and integration (the use of multiple training activities). Soldiers improve their physical readiness through performance oriented PRT.

- 1051. INTRODUCTION TO MILITARY PHYSICAL FITNESS II. (1-0-3).** Basic knowledge of physical fitness and PRT (Physical Readiness Training). Emphasis on precision (the quality of the movement or form), progression (the systematic increase in intensity & duration) and integration (the use of multiple training activities). Soldiers improve their physical readiness through performance oriented PRT.

- 2010. LEADERSHIP AND DECISION MAKING. (2-2-0).** Introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management, and comprehensive fitness relate to leadership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture of understanding the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Prerequisite: Permission of instructor.

- 2011. LEADERSHIP AND DECISION MAKING LABORATORY. (1-0-3).** Hands on instruction in rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science and Leadership 1011 and 1021 requirements: human performance activities courses, Human Performance 1110. Prerequisite: Permission of instructor.

- 2020. ARMY DOCTRINE AND TEAM DEVELOPMENT. (2-2-0).** Focuses on Army doctrine and team development. The course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. Army values, teamwork, and warrior ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. The ability to lead and follow is also covered through team building exercises at squad level. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MSL III cadets and supervised by cadre. Prerequisite: Permission of instructor.

- 2021. ARMY DOCTRINE AND TEAM DEVELOPMENT LABORATORY. (1-0-3).** Hands on instruction in rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science and Leadership 1011 and 1021 requirements: human performance activities courses, Human Performance 1110. Prerequisite: Permission of instructor.

- 2030. INTERMEDIATE MILITARY PHYSICAL FITNESS I.** (2-0-2). Development of the practical experience gained in the introduction to military physical fitness courses. Emphasis on conditioning and the FITT factors – frequency, intensity, time, and type. Prerequisite: Permission of Instructor. Class may be repeated for a total of eight hours credit.
- 2080. BASIC CAMP.** (2 to 8-0-8). Four week camp at Ft. Knox, KY under the direction and supervision of the active Army personnel. Basic military subjects and leadership experiences. Practical work in both garrison and in the field. Qualifies a student with no prior military science courses for entry into the Advanced ROTC Program. Prerequisite: Consent of the PMS.
- 3010. TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS.** (3-3-0). Focuses on training management and the warfighting functions. It is an academically challenging course where you will study, practice, and apply the fundamentals of training management and how the Army operates through the warfighting functions. At the conclusion of this course, you will be capable of planning, preparing, and executing training for a squad conducting small unit tactics. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC cadre. Prerequisite: Consent of the PMS.
- 3011. TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS LABORATORY.** (1-0-3). Advanced physical fitness and evaluated practical leadership exercises using skills and techniques learned in classroom. Includes participation in at least two field training exercises and a social activity. Prerequisite: Consent of the PMS.
- 3020. APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS.** (3-3-0). Focuses on applied leadership in small unit operations. It is an academically challenging course where you will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating and leading a platoon in the execution of a mission. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC cadre. Successful completion of this course will help prepare you for the Cadet Summer Training Advance Camp, which you will attend in the summer at Fort Knox, KY. Prerequisite: Consent of the PMS.
- 3021. APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS LABORATORY.** (1-0-3). Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least two field training exercises and a social activity. Prerequisite: Consent of the PMS.
- 3030. ADVANCED CAMP.** (6-0-6). Four week advanced ROTC Camp at Ft. Knox, KY under direction and supervision of active Army personnel. Leadership experiences in garrison and in field designed to evaluate leadership potential under stressful conditions. Prerequisite: Completion of 3010, 3011, 3020, 3021 and consent of PMS.
- 3040. ADVANCED MILITARY PHYSICAL FITNESS I.** (3-0-3). Advanced practical exercises in Army physical fitness training. Practical experience in sustaining a training heart rate. Practical experience in leading platoons through progressively challenging physical fitness sessions. Class may be repeated for a total of twelve hours credit. Prerequisite: Permission of Instructor.
- 3240. MILITARY HISTORY OF THE U.S.** (3-3-0). U.S. at war since the colonial beginnings. Inter-relationship of political, economic, social and military factors. Evolution of U.S. armed forces as instruments of civilian authority. Theory and practice of warfare, strategy, and tactics. Prerequisite: Consent of Professor of Military Science, ROTC Department.
- 4010. THE ARMY OFFICER.** (3-3-0). Focuses on development of the Army officer. It is an academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, you will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC cadre. Prerequisite: Consent of PMS.
- 4011. THE ARMY OFFICER LABORATORY.** (1-0-3). Advanced physical fitness training and practical exercises in leadership and Army staff relationship including thinking, analyzing, planning, deciding, and communicating. Plan and conduct at least two field training exercises, and a social event under faculty supervision. Prerequisite: Consent of PMS.
- 4020. COMPANY GRADE LEADERSHIP.** (3-3-0). An academically challenging course where you will develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises, a mid-term exam, and an oral practicum as the final exam. The oral practicum explores your knowledge of how you will be prepared for the 20 Army Warfighting Challenges (AWFC) covered throughout the ROTC advanced course. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC cadre. Prerequisite: Consent of the PMS.
- 4021. COMPANY GRADE LEADERSHIP LABORATORY.** (1-0-3). Advanced physical fitness training, practical exercises in leadership, command and staff operation, plan and conduct at least two field training exercises and a social event under faculty supervision. Prerequisite: Consent of PMS.
- 4050. READING AND CONFERENCE IN ADVANCED MILITARY SCIENCE.** (1-0-0). Independent reading and study of the art of military leadership and ethics. Conferences with assigned professor(s). Prerequisites: 4010, 4020 and consent of PMS. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit.
- 4060. PRACTICUM IN MILITARY STAFF PLANNING AND EXECUTION.** (1-0-2). Practical exercises in military staff planning and execution of selected ROTC activities exercises and/or leadership laboratories. Prerequisite: 4010, 4020 and consent of PMS. Student must participate in scheduled physical training sessions as the direction of the PMS. Class may be repeated for a total of four hours credit.
- 4070. READINGS AND REPORTS.** (1-0-0). Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit. Prerequisites: 4010, 4020 and consent of PMS.
- 4080. PRACTICUM IN METHODS OF INSTRUCTION.** (1-0-2). Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit. Prerequisite: 4010, 4020 and consent of PMS.

## MUSIC (MUS)

For Undergraduates Only

- 1000. INTRODUCTION TO MUSIC THEORY.** (3-3-0). For beginning music students who need additional training and review prior to entering Music 1150. The Great Staff; notes and note-values; key signatures; intervals, simple and compound meter; elementary sight singing, ear training and dictation; simple keyboard exercises; rudimentary musical terms; basic elements of form.
- 1010. CLASS PIANO FOR NON-MUSIC MAJORS.** (3-3-0). Basic note reading; chords for harmonizing melodies and demonstrating techniques and methods in classroom music; for elementary education majors. Open to any student.
- 1020. CLASS PIANO FOR NON-MUSIC MAJORS II.** (3-3-0). Continuation of 1010. Development of reading ability at the keyboard, simple improvisation, and harmonization. Music literature suitable for the elementary classroom teacher or beginning pianist. Open to any student.
- 1040. CLASS GUITAR FOR NON-MUSIC MAJORS.** (3-3-0). Basic guitar skills and music reading; use of chords for harmonizing melodies and demonstrating techniques and methods for use in classroom music; for elementary education majors. Open to any student. Prerequisite or corequisite: 2100 or consent of instructor.
- 1080. CLASS DRUM SET FOR NON-MAJORS.** (2-0-2). This course serves as an introduction to the drum set. A primary emphasis in this class is performance; consequently, a large amount of class time will be given to playing the drums as a class and individually. In addition to playing the instruments, homework assignments will be given as a means of exploring items topics including the history, cultural significance, and performance techniques of the drum set as well as issues regarding construction and maintenance. The class is open to any undergraduate and graduate student. There are no prerequisites for this course. This course may be repeated.
- 1150. MUSIC THEORY I.** (2-3-0). Written theory skills will be developed in the areas of: scales, key signatures, rhythm and meter, cadences, part-writing, harmonizing melodies and triads. Prerequisite: Grade of "C" or better in MUS 1000 or a passing grade on the departmental Music Theory Diagnostic Exam.
- 1151. AURAL SKILLS I.** (1-0-2). Sight singing skills will be developed employing solfege, emphasizing diatonic melodies and scales. Ear training skills concerning rhythmic dictation, chord qualities, and harmonic dictation will be developed. Prerequisite: Registration in or credit for 1150.
- 1160. MUSIC THEORY II.** (2-3-0). Written theory skills will be developed in the areas of: harmonic progressions, non-harmonic tones, cadences, diatonic seventh chords, and secondary dominants. Prerequisite: Grade of "C" or better in 1150.
- 1161. AURAL SKILLS II.** (1-0-2). Sight singing skills will be continued with an emphasis on minor melodies and chords. Ear Training skills will include melodic and rhythmic dictation, adding four-part harmonic dictation. Prerequisite: Registration in or credit for 1160, and a grade of "C" or better in 1151.
- 1210. FRENCH DICTION.** (1-1-0). Prerequisite: 1230.
- 1220. GERMAN DICTION.** (1-1-0). Prerequisite: 1230.
- 1230. ENGLISH/ITALIAN DICTION.** (1-1-0). Aural and written skills of the International Phonetic Alphabet. Applications of this phonetic transcription method to English and Italian diction, relative to singers and choral conductors.

## Performance Ensembles

For music majors, minors and students not majoring in music. Music ensemble courses may be repeated for credit. Prerequisite: Consent of instructor.

The following are academic courses in all music curricula; extra-curricular in all other curricula, with the exception of the Bachelor of General Studies (734) and the Bachelor of Arts in Liberal Arts (220), which allow a maximum of 4 semester credit hours of music performance ensemble to apply as academic credit.

- 1300. PEP BAND.** (1 or credit-3-0).
- 1310. BAND.** (1 or credit-6-0).
- 1320. ORPHEUS: TENOR-BASS CHORUS.** (1-2-0). Non-auditioned tenor-bass ensemble available to both music and non-music undergraduate and graduate students. The primary function of this ensemble is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. Students will perform a wide, diverse body of literature and be regularly featured across the Northwestern campus and Natchitoches community. This course may be repeated for credit.
- 1330. CHAMBER CHOIR.** (1-5-0). Auditioned, flagship mixed ensemble available to both music and non-music undergraduate and graduate students. The primary function of this ensemble is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. Students will perform a wide, diverse body of literature and represent Northwestern State University in local, regional, and national venues through performances and tours as regular features on campus and beyond. This course may be repeated for credit.
- 1340. ORCHESTRA.** (1 or credit-4-0).
- 1350. STRING ENSEMBLE.** (1 or credit-2-0).
- 1360. JAZZ ENSEMBLE.** (1 or credit-3-0).
- 1370. OPERA THEATRE.** (1 or credit-4-0).
- 1380. LYRICA: TREBLE CHORUS.** (1-3-0). Non-auditioned treble ensemble available to both music and non-music undergraduate and graduate students. The primary function of this ensemble is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. Students will perform a wide, diverse body of literature and be regularly featured across the Northwestern campus and Natchitoches community. This course may be repeated for credit.
- 1390. BRASS ENSEMBLE.** (1 or credit-2-0).
- 1400. PERCUSSION ENSEMBLE.** (1 or credit-2-0).
- 1410. WOODWIND ENSEMBLE.** (1 or credit-2-0).
- 1420. CANE RIVER SINGERS.** (1-1.5-0). Non-auditioned mixed ensemble available to music and non-music undergraduate and graduate students and community members. The primary function of this ensemble is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. Students and community members will perform a wide, diverse body of literature and be regularly featured across the Northwestern campus and Natchitoches community. This course may be repeated for credit.
- 1430. CONCERT CHOIR.** (1-3-0).
- 1440. ACCOMPANYING.** (1 or credit-3-0).
- 1450. MUSIC THEATRE.** (1 or credit-3-0).
- 1460. OBOE REED-MAKING.** (1-0-1). Skills, tools, and processes of making reeds for the oboe and English horn will be discussed from beginning to advanced stages. Supplemental study for students enrolled in oboe major or minor study, as well as other music students as an elective. May be repeated for credit. Prerequisite: Consent of instructor.

- 1470. STEEL DRUM ENSEMBLE.** (1-0-2). Steel Drum Ensemble is an introduction to the unique musical art form of steel pans, which were created and developed in the nation of Trinidad and Tobago. This is achieved through hands-on practice on the instruments and rehearsal of the music typical of a steel band. Repertoire is selected from the indigenous musical genres of Trinidad and the Caribbean such as calypso, soca, zook, reggae, ska, and others. Additional repertoire is chosen from a variety of musical styles including American popular music, jazz, classical, and contemporary idioms. The class is open to any undergraduate and graduate student. There are no prerequisites for this course. This course may be repeated.
- 1500. RECITALS AND CONCERTS.** (0-0-0). Required attendance at recitals and concerts for all music majors. May be repeated.
- 1650. KEYBOARD SKILLS.** (1-2-0). Prerequisite: Consent of instructor.
- 1660. BAND LEADERSHIP AND ORGANIZATION.** (1-1-0). This course is designed to allow students to learn about and become more involved in the process of building, maintaining, and leading a large marching band organization. May be repeated for up to six hours credit. Prerequisite: MUS 1310-01N during a Fall semester.
- 1670. DRUM LINE TECHNIQUES.** (1-0-2). This course is a survey of marching percussion and will primarily focus on rudimental drumming. Areas that will be addressed include technique, listening, rehearsal etiquette, writing and arranging. The class is open to any undergraduate and graduate student. There are no prerequisites for this course. This course may be repeated.

#### Performance Instruction

**Private Lessons.<sup>2</sup>** The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 1700, 1710, or 3710 the letter representing the performance area from the following:

|             |               |
|-------------|---------------|
| A-piano     | M-tuba        |
| B-organ     | N-percussion  |
| C-voice     | P-violin      |
| D-flute     | Q-viola       |
| E-oboe      | R-cello       |
| F-clarinet  | S-double bass |
| G-bassoon   | T-harp        |
| H-saxophone | U-harpsichord |
| J-trumpet   | V-guitar      |
| K-trombone  | W-French horn |
| L-euphonium | X-Conducting  |

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 1700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Lower-level private lessons in minor areas and for the non-music major. Prerequisite: Consent of instructor.
- 1710. MAJOR STUDY.** (2 or 3-0-1). Lower-level private lessons in major areas for the music major and for the music minor. Students in Bachelor of Music (performance concentration) enroll for 3 credit hours; all others enroll for 2 credit hours. Prerequisite: Consent of instructor.

**PIANO CLASSES.** Group instruction in piano for music majors only.

- 1800. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 1150.
- 1810. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 1160, and a grade of "C" or better in 1800.
- 1820. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 2150, and a grade of "C" or better in 1810.
- 1830. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 2160, and a grade of "C" or better in 1820.

**INSTRUMENT CLASSES.** Performance and teaching techniques, study of performance and teaching literature, information and materials on the selection, use, and maintenance of instruments and accessory equipment.

- 1840. WOODWIND CLASS I.** (2-3-0).
- 1850. WOODWIND CLASS II.** (2-3-0).
- 1860. BRASS CLASS I.** (2-3-0).
- 1870. BRASS CLASS II.** (2-3-0).
- 1880. STRING CLASS I.** (2-3-0).
- 1890. PERCUSSION CLASS I.** (2-3-0).
- 1900. GUITAR CLASS.** (2-3-0).
- 1910. VOICE CLASS.** (1-1-1). Group instruction in voice. Open to non-music majors. May be repeated for credit. Prerequisite: Consent of instructor.
- 1920. STRING CLASS II.** (2-2-1). Continuation of Music 1880 String Class I. Further development of playing techniques for violin, viola, cello, and string bass. Prerequisite: 1800.
- 1930. PERCUSSION CLASS II.** (2-2-1). Continuation of Music 1890 Percussion Class I. Further development of playing techniques for all melodic and battery percussion. Prerequisite: 1890.
- 2000. AMERICAN JAZZ BEGINNINGS: FROM CREOLE BANDS THROUGH THE EARLY 20<sup>TH</sup> CENTURY.** (3-3-0). An overview of Creole jazz musicians and their impact on jazz music. Specific composers, musicians, and acculturation will be discussed in an historical and stylistic context.
- 2030. MUSIC HISTORY/LITERATURE I.** (2-2-1). An examination of music history/literature in Western culture from the Greco-Roman era through the 1400's.
- 2040. MUSIC HISTORY/LITERATURE II.** (2-2-1). An examination of music history/literature in Western culture from the high Renaissance through the Baroque era. Prerequisite: Grade of "C" or better in 2030 or consent of instructor.
- 2100. KINDERGARTEN AND ELEMENTARY SCHOOL MUSIC.** (2 or 3-3-0). Fundamental skills and materials of music for pre-school through upper elementary grades.
- 2110. INSTRUMENTAL PEDAGOGY FOR THE MUSIC CLASSROOM.** (1-2-0). A survey of wind, percussion, and string instruments designed to aid vocal educators in instrumental music instruction. Emphasis will be placed on knowledge of the function of instruments and integrating them into vocal music programs. Prerequisite: Consent of instructor.
- 2120. CHURCH MUSIC: HISTORY I.** (2-2-0). A lecture/seminar course designed to introduce the student to the history of church music from biblical times to the present, including contemporary trends in church music. The course is not structured toward or restricted to any particular denomination and will include the music of both Christian and Judaic traditions. This course is designed for students interested in working in church music, as organists, organist-choirmasters, choir directors, ministers of music, and in other aspects of music in corporate worship. Prerequisite: 1150 or consent of instructor.
- 2130. CHURCH MUSIC: HISTORY II.** (2-2-0). Continuation of 2120.
- 2150. MUSIC THEORY III.** (2-3-0). Written theory skills will be developed in the areas of: modulation, binary and ternary forms, diminished triads and seventh chords, transposition, borrowed chords, augmented chords. Ability to play modulations and chord progressions on the piano is essential. Prerequisite: Grade of "C" or better in 1160.
- 2151. AURAL SKILLS III.** (1-0-2). This course continues to develop aural skills learned in 1151 and 1161. Emphasis will be placed on ability to sing in solfege—diatonic, nondiatonic, and modulating melodies—and the ability to aurally recognize melodies and chord progressions. Prerequisite: Registration in or credit for 2150, and a grade of "C" or better in 1161.

- 2160. MUSIC THEORY IV.** (2-3-0). Continuation of 2150. Secondary dominant chords; secondary leading tone triads and 7th chords; augmented triads and the Neapolitan 6th chord; augmented 6th chords of the 9th, 11th, and 13th; advanced modulation. Prerequisite: Grade of "C" or better in 2150.
- 2161. AURAL SKILLS IV.** (1-0-2). Continuation of 2151. Aural skills will be developed by singing in solfege—atonal melodies, modal melodies, and further chromaticism. Harmonic dictation will consist of 4-part chordal progressions. Prerequisite: Registration in or credit for 2160 and a grade of "C" or better in 2151.
- 2170. JAZZ THEORY.** (3-3-0). Jazz theory is the study of the language of jazz music and improvisation. This course expands upon the student's core music theory knowledge with the implementation of jazz improvisational techniques and concepts, such as: reading and application of chord symbols and extensions, an expanded knowledge of scales and modes, beginning ear training in the jazz language, basic jazz keyboard harmony, analysis of song forms, and a basic knowledge of some jazz standard tunes. Prerequisite: MUS 1160 and MUS 1161.
- 2860. SURVEY OF MUSIC BUSINESS.** (3-3-0). A general overview and study of the major functional areas of the music industry. Attention is given to the theoretical foundations and practical application of current business practices in the music industry including supporting organizations and the revenue flow from consumer to creator.
- 2870. PRO TOOLS.** (3-3-0). This course introduces students to the fundamentals of audio recording, editing, and mixing using Pro Tools, the industry-standard digital audio workstation. Students will develop practical skills in music production, sound design, and post-production techniques. Prerequisite: MUS 2860.
- 2880. CONCERT MANAGEMENT AND PROMOTION.** (3-3-0). This course explores the principles and practices of concert promotion and management, from planning and budgeting to marketing and artist relations. Students will gain experience in organizing live events while developing the skills needed to succeed in the music industry. Prerequisite: MUS 2860.
- 2890. PRINCIPLES OF SOUND MIXING.** (3-3-0). This course provides an in-depth study of sound mixing techniques for live and studio environments. Students will practice using industry-standard equipment and software to develop professional-level mixing skills across a variety of musical styles. Prerequisite: MUS 2860.
- 3020. COUNTERPOINT.** (3-3-0). Writing of chorale preludes, inventions and fugues in two, three, and four voices, based on 18th-century practice; contemporary contrapuntal techniques including those based on modal writing, synthetic scales, polytonality, and serial techniques. Prerequisite: 2160.
- 3030. MUSIC HISTORY/LITERATURE III.** (2-2-1). An examination of music history/literature in Western culture from the Enlightenment into the Romantic era. Prerequisite: Grade of "C" or better in 2040 or consent of instructor.
- 3040. MUSIC HISTORY/LITERATURE IV.** (2-2-1). An examination of music history/literature in Western culture from the late Romantic era to the present day. Prerequisite: Grade of "C" or better in 3030 or consent of instructor.
- 3090. TECHNIQUES OF CONDUCTING.** (2-2-0). Basic elements of conducting relating to various media of performance. Prerequisite: 2040 and 2160.
- 3100. CHORAL CONDUCTING.** (2-2-0). Techniques of conducting choral groups. Score analysis, interpretation and problems of presentation, rehearsal and performance. Prerequisite: 3090.
- 3110. INSTRUMENTAL CONDUCTING.** (2-2-0). Techniques of conducting instrumental groups. Score analysis, interpretation and problems of preparation, rehearsal and performance. Prerequisite: 3090.
- 3120. CHURCH MUSIC: LITURGICS.** (2-2-0). A survey of liturgy and the formats of public worship within the Judeo-Christian tradition. The course will cover the development of liturgy from the Hebrew temple and synagogue traditions to the present with emphasis on contemporary worship styles.
- 3130. CHURCH MUSIC: HYMNODY.** (2-2-0). A lecture/seminar course designed to introduce the student to the history, development and basic styles of Christian hymns. The course is not structured toward or restricted to any particular denomination. This course is designed for students interested in working in church music as organists, pianists, choir directors, organist-choirmasters, ministers of music, choir singers or in any other aspect of church music. Keyboard skills are helpful, but not essential.
- 3500. MUSIC FOR STAGE AND SCREEN.** (3-3-0). An overview of theatre and film music in Western culture, including the genres of opera, operetta, incidental music, Broadway, and film music. Specific composers and trends will be discussed in an historical and stylistic context. Prerequisites: Fine Arts 1040 for traditional NSU students; SCRT 181W for Scholars' College students.
- 3600. HISTORY OF AFRICAN-AMERICAN MUSIC.** (3-3-0). A study of the history of African-American music from its African roots to the present. A particular emphasis is placed on music since 1900, including the artists who perform such music and its social significance and power. Prerequisite: Fine Arts 1040, equivalent, or consent of instructor.
- 3700. HISTORY OF ROCK AND POP MUSIC.** (3-3-0). This course surveys the history of rock music from its beginnings in earlier forms of popular music to present and also examines the relationship of this music to larger cultural, political, and economic formations. Defines and studies aspects of musical structure which have been used in rock and popular music. No formal musical training is necessary to enroll in the course. We will think about how to analyze musical sound as "text." More crucially, we will focus on the cultural, social, political, and economic dimensions (the "context") of genres ranging from Tin Pan Alley to movie soundtracks and today's diverse musical styles. Prerequisite: FA 1040.
- 3710. MAJOR STUDY.** (2 or 3-0-1). Upper-level private lessons in major areas for the Music major. Bachelor of Music majors (performance concentration) enroll for 3 credit hours; all others enroll for 2 credit hours. Prerequisite: Four semesters of MUS 1710 with a "C" or better, and consent of applied music faculty.
- 4010. FORM AND ANALYSIS.** (3-3-0). Skill will be developed in the recognition of basic, intermediate, and large scale formal structures. Sections of compositions, along with entire works, will be analyzed to gain the ability to recognize and understand phrase and period construction, as well as binary, ternary, and other forms. Prerequisite: 2040, 2160.
- 4040. CHORAL ARRANGING.** (1-1-0). Study of secular and sacred choral literature that has been arranged. Arranging melodies for various voicing maintaining good part-writing skills. Prerequisite: Grade of "C" or better in MUS 2160.
- 4050. INSTRUMENTATION.** (3-3-0). Instruments in band and orchestra; scoring for band and orchestra; arranging music for band and orchestra, including assignments dealing with needs and limitations of public-school organizations. Prerequisite: 2160.
- 4060. TWENTIETH CENTURY MUSIC.** (3-3-0). Music of major composers and schools of composition from Debussy to present. Literature and analytical techniques. Writing in contemporary idioms. Prerequisite: 2160 and 3040 or consent of instructor.
- 4070. COMPOSITION I.** (3-3-0). Writing of songs and short choral and instrumental pieces. Prerequisite: 2160.



- 4080. COMPOSITION II.** (3-3-0). Continuation of 4070.
- 4120. CHURCH MUSIC: ADMINISTRATION.** (2-2-0). A practical exploration of the administrative aspects of directing a church music program. The course is designed for students interested in church music and will provide guidelines for organizing and directing musical activities in churches. The course is broad-based and is not restricted to any particular denomination.
- 4130. AMERICAN MUSIC.** (3-3-0). A chronological examination of American music from the Native American music as experienced by early European settlers to the music of contemporary American composers. The study will include both sacred and secular art music. Prerequisite: MUS 3030, 3040, or permission of instructor.
- 4140. SACRED MUSIC PRACTICUM.** (3-1-2). A practical course in which students observe and take limited responsibility for the church music program of an assigned area church. Under supervision of the sacred music faculty, students will exercise skills and concepts learned in the classroom. Enrolled students will meet for a one-hour weekly seminar with sacred music faculty. Prerequisite: For Sacred Music concentration students who have successfully completed MUS 2120, 2130, 3120, 3130, 4120. This course should be taken in preparation for the senior recital.
- 4150. PEDAGOGY.** (3-3-0).  
Subtitles:  
01-instrumental 02-piano  
03-vocal  
Materials and methods for teaching individuals and groups. May be repeated for up to six hours credit. Prerequisite: Consent of instructor.
- 4190. HISTORY OF OPERA.** (3-3-0). This course surveys the history of opera from its beginnings in the earliest forms of Commedia del Arte and the English Masque to the present and examines the relationship of this music to larger cultural, political, and economic formations. Prerequisite: Successful completion of MUS 3040.
- 4200. MUSIC TECHNOLOGY.** (3-2-1). Overview of hardware and software; vocabulary and understanding of music technology; MIDI, sequencing, digital sound sampling and editing; music notational software. Prerequisite: Consent of instructor.
- 4210. INTRODUCTION TO MUSIC NOTATION SOFTWARE.** (3-3-0). Students learn skills and techniques for effectively using music notation software to create music scores and educational materials. Prerequisite: MUS 2160.
- 4250. INSTRUMENT MAINTENANCE AND REPAIR.** (3-3-0). For instrumental music education majors. Emergency and basic instrument repair, including soldering, repadding, dentwork, and adjustments. Care and preventive maintenance of brass, woodwind, and percussion instruments. Prerequisite: Junior standing.
- 4260. PIANO PEDAGOGY II.** (3-3-0). This course, the second in the piano pedagogy sequence, continues the study of the art of piano teaching, involving a careful examination of the materials, skills, and knowledge necessary for teaching intermediate and early advanced piano students. The primary focus will be the continued supervised teaching of students in the demonstration class established in MUS 4150. Additional topics include evaluation of literature by pedagogical composers, the teaching of piano technique, applications of technology, and examining the teaching of functional skills. Prerequisite: 4150 or consent of instructor.
- 4270. VOCAL PEDAGOGY II.** (3-3-0). Advanced methods for teaching private or group voice. This course is a continuation of MUS 4150 and further explores techniques for teaching voice and practical information on starting a private voice studio. Prerequisite: MUS 4150 or consent of instructor.
- 4300. PIANO ENSEMBLE LITERATURE.** (1-1-0). Music written for piano, two pianos and piano four hands. Prerequisite: Consent of instructor.
- 4390. PERFORMANCE LITERATURE.** (3-3-0).  
Subtitles:  
01-instrumental  
02-piano  
03-vocal  
Materials and repertoire of the major performance areas. Prerequisite: Consent of instructor.
- 4400. SOUND RECORDING.** (3-3-1). Theory and practice of audio recording, microphone selection and placement, mixing, equalization, compression, re-dubbing, mixing down. Prerequisite: Consent of instructor.
- 4490. PIANO LITERATURE II.** (3-3-0). This course is designed to study keyboard compositions from approximately 1800 to the present time. The life and works of composers from each artistic period as well as different recordings of piano music will be discussed.
- 4720. RECITAL.** (1 or 2-0-1). Preparation and performance of a public recital. Seniors performing the Bachelor of Music degree recital enroll for 2 credit hours; all others enroll in 1 credit hour. Approval of the performance faculty based on a recital preview jury is required for completion of this course. Prerequisite: Junior or Senior standing in a music curricula and consent of major professor. Corequisite: 3710. May be repeated for credit.
- 4730. MUSIC BUSINESS INTERNSHIP.** (3-0-3). Supervised work experience in the music industry. Prerequisite: Senior standing in the Bachelor of Music: Concentration in Music Business.
- 4740. CAREER SEMINAR FOR MUSICIANS.** (3-3-0). This course will focus on helping students transition into the world of working professional musicians. Through research and interaction with working artists, we will learn more about careers in the music field, and seek to find what motivates and excites students about being a working musician. Preparing materials for self-marketing and networking, including interviews, auditions, resumes, websites and social media presence will be an integral part of the course. Prerequisite: Bachelor of Music (BM), or Bachelor of Music Education (BME) student with Junior or Senior status.
- 
- <sup>1</sup> On the basis of a placement test, entering students will be sectioned and required to complete two or three courses in freshman music theory. Six hours of freshman music theory are required of all majors, and the required courses must be taken in sequence. For students who take nine hours of freshman music theory, three hours will be added to the number required for graduation. There will be no change in the amount of theory required beyond the freshman year.
- <sup>2</sup> One hour a day of practicing for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.
- For Graduates Only
- 5010. PRACTICAL REVIEW OF HARMONY AND MUSICAL ANALYSIS.** (2-2-0). Review course material covered in 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161, 4010. Not for degree credit.
- 5020. ADVANCED FORM AND ANALYSIS.** (3-3-0). Individual projects in analysis and class discussion of representative works on large forms from all periods. Prerequisite: 4010 or equivalent.
- 5040. INSTRUMENTAL ARRANGING.** (3-3-0). Practical band arranging; orchestration for average school situations with full instrumentations.
- 5050. PRACTICAL REVIEW OF MUSIC HISTORY AND LITERATURE.** (2-2-0). Review course material covered in 2030, 2040, 3030 and 3040. Not for degree credit.

- 5060. CHORAL ARRANGING.** (3-3-0). Secular and sacred choral literature form and harmonic structure; extension of individual creative ability by arranging of assigned melodies for different voicing; good choral sounds and effects; voice problems and techniques.
- 5070. CHAMBER MUSIC.** (1-2-0). Performance of important works composed for small combinations of instruments and/or voices. May be repeated for credit. Credit may not apply toward any degree.
- 5120. ELECTIVE RECITAL.** (1-0-0). Preparation and performance of a public recital. Elective for all graduate music majors. Approval of the performance faculty based upon a recital preview jury is required for completion of this course. Prerequisite: Graduate music major, consent of performance faculty based on recital preview jury, and consent of major professor. May be repeated for credit. Credit may not apply for any degree. Corequisite: MUS 5710.
- 5150. PEDAGOGY.** (3-3-0).  
Subtitles:  
01-instrumental 02-piano  
03-vocal  
Materials and methods for teaching individuals and groups. Prerequisite: Consent of instructor.
- 5230. ADVANCED CONDUCTING.** (3-3-0). Examination of scores with reference to rehearsal and interpretive problems. Experience with instrumental and choral ensembles, both separately and in combination. Repertoire appropriate to concert performance.
- 5280. ENSEMBLE PERFORMANCE.** (1-0-3). Problems of public performance from viewpoint of the conductor-director. Practical experience with performing ensembles. May be repeated for credit. Required in the Music Performance concentration; elective in other curricula.
- 5300. MEDIEVAL AND RENAISSANCE MUSIC.** (3-3-0). History of Western music to about 1600; representative compositions.
- 5310. MUSIC IN THE BAROQUE ERA.** (3-3-0). Development of homophonic and contrapuntal styles of the 17th and 18th centuries; beginning of opera, oratorio, chamber and orchestral music, and solo literature.
- 5320. MUSIC IN THE CLASSICAL PERIOD.** (3-3-0). Development of sonata form; emergence of modern orchestra and chamber music ensembles; representative works from literature of the period.
- 5330. MUSIC IN THE ROMANTIC PERIOD.** (3-3-0). Western music of the 19th century, including further development of sonata form, the symphony, opera, solo song, free forms, and program music.
- 5340. STUDIES IN THE HISTORY OF VOCAL MUSIC.** (3-3-0). Vocal idioms of all stylistic periods. Larger vocal forms of mass, cantata, oratorio, and opera.
- 5350. STUDIES IN THE HISTORY OF INSTRUMENTAL MUSIC.** (3-3-0). Instrumental forms of all stylistic periods. Larger instrumental forms of orchestral and wind ensembles.
- 5360. TWENTIETH CENTURY MUSIC.** (3-3-0). Music of major composers and schools of composition from Debussy to present.
- 5370. AMERICAN MUSIC.** (3-3-0). A chronological examination of American music from the Native American music as experienced by early European settlers to the music of contemporary American composers. The study will include both sacred and secular art music.
- 5390. PERFORMANCE LITERATURE.** (3-3-0).  
Subtitles:  
01-instrumental  
02-piano  
03-vocal  
Materials and repertoire of the major performance areas. May be repeated for up to six hours.

- 5400. SPECIAL PROBLEMS.** (1 to 3-3-0). Techniques and literature. Scheduled by counsel and student's advisor. May be repeated for credit. No more than six credit hours to be applied toward degree.
- 5430. SOUND RECORDING.** (3-3-1). Theory and practice of audio recording, microphone selection and placement, mixing, equalization, compression, re-dubbing, mixing down. Prerequisite: Consent of instructor.
- 5440. MUSIC TECHNOLOGY.** (3-2-1). Overview of hardware and software; vocabulary and understanding of music technology; MIDI, sequencing, digital sound sampling and editing; music notational software. Prerequisite: Consent of instructor.
- 5530. ANALYSIS OF MODERN MUSIC.** (3-3-0). Explores various theoretical approaches to post-tonal music and examines repertoires and musical-aesthetic movements from the post-tonal era. Prerequisite: Students must have fulfilled all music theory requirements for an undergraduate degree in music, and have passed the graduate music theory diagnostic exam or completed MUS 5010.
- 5620. LECTURE RECITAL.** (1-0-0). Preparation and performance of a public lecture recital. Within one final project option, MUS 5620 is used to partially satisfy the research requirement in the music education major. Approval of the performance faculty based upon a lecture recital preview jury is required for completion of this course. Prerequisite: Candidacy in the music education degree, consent of performance faculty based on lecture recital preview jury, and consent of major professor. Corequisites: MUS 5710, MUED 5620.

#### Performance Instruction

**Private Lessons.<sup>1</sup>** The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 5700, or 5710, the letter representing the performance area selected from the following:

|             |               |
|-------------|---------------|
| A-piano     | M-tuba        |
| B-organ     | N-percussion  |
| C-voice     | P-violin      |
| D-flute     | Q-violoncello |
| E-oboe      | R-cello       |
| F-clarinet  | S-double bass |
| G-bassoon   | T-harp        |
| H-saxophone | U-harpsichord |
| J-trumpet   | V-guitar      |
| K-trombone  | W-French horn |
| L-euphonium | X-conducting  |

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 5700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Private lessons in minor areas, and for the non-music major. Prerequisite: Consent of instructor.
- 5710. MAJOR STUDY.** (2 or 3-0-1). Private lessons in major areas for the music major. Prerequisite: Consent of instructor.
- 5720. GRADUATE RECITAL.** (2-0-0). Preparation and performance of a public recital. Required of performance majors. Approval of the performance faculty based upon a recital preview jury is required for completion of this course. Prerequisite: Candidacy in the music performance degree, consent of performance faculty based on recital preview jury, sent of major professor. Corequisites: MUS 5710, MUS 5970.
- 5740. CAREER SEMINAR FOR MUSICIANS.** (3-3-0). This course will focus on helping students transition into the world of working professional musicians. Through research and interaction with working artists, we will learn more about careers in the music field, and seek to find what motivates and excites students about being a working musician. Preparing materials for self-marketing and networking, including interviews, auditions, resumes, websites and social media presence will be an integral part of the course. Prerequisite: Graduate student in the Master of Music (MM) program.

- 5870. INTRO/MCCLOSKY TECHNIQUE.** (1-1-0). Introduction to the vocal techniques of David Blair McClosky, a pioneer in vocal therapy and rehabilitation. Lectures covering the technique and related topics; small group sessions for personal application of the techniques. Prerequisite: Consent of the instructor.
- 5880. MCCLOSKY TECHNIQUE I.** (1 to 4 -1 to 4-0). Part I of the advanced course leading to certification in McClosky Vocal Technique (CMVT). The course will consist of lectures, readings, individual tutorials and observation of CMVTs teaching in lectures and small group sessions. Prerequisite: Consent of the instructor, completion of MUS 5870 is highly recommended.
- 5890. MCCLOSKY TECHNIQUE II.** (1 to 4- 1 to 4-0). Part II of the advanced course leading to certification in McClosky Vocal Technique (CMVT). The course will consist of lectures, readings, individual tutorials and a practicum with the McClosky Seminar (MUS 5870). Prerequisite: Consent of instructor, completion of MUS 5880.
- 5970. PERFORMANCE DOCUMENT.** (1 to 2-0-0). This course is an extensive exploration of a subject that relates to the Graduate Recital program. Requires a performance document proposal and approval of student's graduate committee. A candidate must be continuously enrolled in MUS 5970 until the performance document is successfully defended and approved. Prerequisite: Candidacy in the music performance degree; successful preparation of performance document proposal by the end of the previous academic semester, approved and signed by the student's Graduate Committee, and placed on file in the Graduate School office. Corequisite: MUS 5720.

One hour a day of practice for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.

## MUSIC EDUCATION (MUED)

For Undergraduates Only

- 2020. FOUNDATIONS OF MUSIC EDUCATION.** (3-3-0). Historical, social, philosophical foundations of music education and education; music ensembles organization and administration; opportunities, requirements, and ethics in the teaching profession; observation and participation in schools. This is a required course for all music education majors, vocal and instrumental, which provides an overview of the total public school music program.
- 3140. PRINCIPLES OF TEACHING MUSIC.** (3-3-1). Theory, organization, and practice of music teaching skills. Techniques of planning, instruction, media, evaluation, classroom management, and technology in music. Includes field experience component. Prerequisite: Admission to candidacy in teacher education.
- 3510. FIELD EXPERIENCE FOR MUSIC EDUCATORS.** (1-0-30). Practical application of teaching music, putting principle to practice. Must be direct teaching experiences in music. Includes a minimum of 30 hours of field experience. Prerequisite: Admission to candidacy in teacher education.
- 4010. SECONDARY METHODS FOR TEACHING MUSIC.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies, classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of "C" or better; completion of at least one semester of MUS 3710 with a grade of "C" or better. Subtitles:  
01-instrumental  
02-vocal

- 4020. CURRENT ISSUES AND PROBLEMS IN THE MUSIC CLASSROOM SEMINAR.** (3-3-0). Problem-oriented course for students who are student teaching in music. Problems identified by student teachers and/or university supervisor; causes for problems and possible solutions. Group discussion through blackboard on current trends and issues in music education. Prerequisite: Admission to teacher candidacy, co-enrollment in student teaching.
- 4110. ELEMENTARY MUSIC METHODS.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodaly, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of "C" or better.
- 4130. MUSIC EDUCATION FOR STUDENTS WITH SPECIAL NEEDS.** (3-3-0). Theory, methodology, legal issues, procedures, and materials for teaching music to students with diverse needs. Prerequisite: consent of instructor.
- 4220. MARCHING BAND TECHNIQUES.** (3-3-0).
- 4230. BAND DIRECTORS WORKSHOPS.** (3-3-0). May be repeated for up to six hours credit. Subtitles:  
01-advanced marching band techniques  
02-rehearsal techniques  
03-instrument clinic  
04-instrument repair  
05-materials and literature
- 4460. BAND LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Admission to teacher candidacy, MUS 2040, MUS 2160.
- 4480. ORCHESTRAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Music 2040 and 2160.
- 4520. CHORAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- For Graduates Only
- 5000. SEMINAR IN MUSIC EDUCATION.** (3-3-0). Students will be required to participate in group discussions and individual conferences regarding current issues and research in music education. They will also investigate problems and/or special topics in their emphasis areas. Subjects for theses, performance documents and/or articles for publication will be explored.
- 5010. FOUNDATIONS OF MUSIC EDUCATION.** (3-3-0). This course will examine historical, philosophical, aesthetic, and pedagogical principles that have shaped American music education, as well as providing, examining, and offering resolutions to issues related to and within the context of contemporary music education.
- 5020. CURRENT ISSUES AND TRENDS IN MUSIC EDUCATION.** (3-3-0). This course will examine current issues and trends in music education, with particular emphasis on social and psychological foundations of contemporary American music education. This is a required foundation course for the professional music educator and will include topics relevant to music educators in the public and private sectors.
- 5030. MUSIC THEORY PEDAGOGY.** (3-3-0). The pedagogy of music theory in a classroom setting, including practical harmony, composition, form, keyboard skills, and aural skills. Prerequisite: Students must have fulfilled all music theory requirements for an undergraduate degree in music and have passed the graduate music theory diagnostic exam or completed MUS 5010.

- 5040. ELEMENTARY/EARLY CHILDHOOD MUSIC LITERATURE AND MATERIALS.** (3-3-0). This course includes the examination and review of developmentally appropriate music literature and materials for early childhood and elementary music programs. This course is intended for graduate students in music education whose area of specialization is elementary music. Prerequisite: MUED 4110 or MUED 5110.
- 5100. SEMINAR IN MUSIC PEDAGOGY.** (3-2-0). Course content examines current principles, practices, and trends in the pedagogies of various instruments, music theory, conducting, voice, and music appreciation. Participants will explore methodologies and current trends in their areas of musical interest. Prerequisite or Corequisite: MUED 5900.
- 5110. ELEMENTARY MUSIC METHODS.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodaly, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of "C" or better.
- 5120. MARCHING BAND TECHNIQUES.** (3-3-0). Materials related to the development of the contemporary marching band program for high schools. Included will be the use of computer designed standard marching band competition drills, handbook, uniform purchase, band parent organizations and other related areas.
- 5200. ADMINISTRATION AND SUPERVISION OF INSTRUMENTAL GROUPS.** (3-3-0). Organization and administration of public school bands and orchestras; rehearsal methods and techniques; library systems; program planning and building, and substitutions of instruments; plans and techniques of class instrument instruction; selecting, buying, and caring for school instruments; marching-band problems.
- 5230. BAND DIRECTORS WORKSHOP.** (3-3-0).  
Subtitles:  
01-advanced marching band techniques  
02-rehearsal techniques  
03-instrument clinic  
04-instrument repair  
05-materials and literature
- 5270. ADMINISTRATION AND SUPERVISION OF VOCAL MUSIC GROUPS.** (3-3-0). Choral ensemble; organization; rehearsal and vocal techniques. Improvement of instruction; public relations; problems in scheduling, budget, and finance.
- 5400. RESEARCH PROBLEMS.** (1 to 3-3-0). For students pursuing the papers in lieu of thesis option for the Master of Music with a concentration in Music Education. Continuous enrollment is required until the papers are accepted by the graduate school. No more than six hours to be applied toward degree. Prerequisite: Consent of Instructor and MUED 5900.
- 5460. BAND LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- 5480. ORCHESTRAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- 5490. MUSICAL INSTRUMENTS FOR THE ELEMENTARY SCHOOL.** (3-3-0). Instruction in the Orff Instruments, ukulele and other instruments suitable for teaching in the elementary school. Music reading and use of chords for harmonizing approximately 150 songs. Prerequisites: 2100 or equivalent and consent of instructor.
- 5510. FIELD EXPERIENCE IN MUSIC EDUCATION.** (3-0-5). Practical application of teaching music in K-12 schools. Must be direct teaching experiences in vocal and/or instrumental music. Includes a minimum of 80 hours of field experience observing and teaching different grade levels and diverse populations of students.
- 5520. CHORAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.

- 5550. CLASSROOM MUSIC.** (3-3-0). Music in the elementary classroom; philosophies, aims, concepts of music education; choosing and organizing teaching materials; development of skills in teaching music.
- 5600. GENERAL MUSIC.** (3-3-0). Philosophies and methods of the general music class as propounded by leading authorities in the field; music literature arranged and compiled especially for the general music class.
- 5620. LECTURE RECITAL DOCUMENT.** (2-0-0). This course is an extensive exploration of a subject that supports the lecture recital program. Within one final project option, MUED 5620 is used to partially satisfy the research requirements in the music education major. Requires a lecture recital document proposal and approval of the student's graduate committee. A candidate must be continuously enrolled in MUED 5620 until the lecture recital document is successfully defended and approved. Prerequisite: Candidacy in the music education degree; successful preparation of lecture recital document proposal by the end of the previous academic semester, approved and signed by the student's Graduate Committee, and placed on file in the Graduate School office. Corequisite: MUS 5620.
- 5900. INTRODUCTION TO MUSIC RESEARCH.** (3-3-0). Students will discuss and examine research methods commonly used in the study of music. Students will be expected to identify relevant references, build bibliographies, learn APA style, and develop methods and approaches to selecting a topic. A research paper is required. Prerequisite: Graduate standing in music or consent of instructor.
- 5910. ADVANCED RESEARCH METHODS IN MUSIC EDUCATION.** (3-3-0). Students will discuss and examine research methods commonly used in the study of music education, the principal sources of research information, and the challenges and usefulness of research in music education as it relates to informed practice. Students will be expected to identify relevant references, expand bibliographies started in the previous semester, write in APA, MLA, or Turabian style, explore quantitative, qualitative, historical, and philosophical research, and be able to discuss each of these methodologies. Students will explore the purpose of and gain a greater understanding of how research in music education can assist to inform good practice and help to create stronger teacher training programs. Students will also explore what future role research will play in their lives and careers as music educators and higher education instructors. Several small research papers will be required showing understanding of the various methodologies. A final, longer research paper is also required focusing on one (1) research methodology of choice. Prerequisite: Graduate standing in music, and a passing grade of C or better in MUED 5900.
- 5980. THESIS.** (3-3-0). Completion of this course will result in the successful defense and approval of the thesis to members of the candidate's committee. A candidate will be continuously enrolled in MUED 5980 until the thesis is successfully defended and approved. A maximum of six hours will be applied toward the degree. Prerequisite: Completion of the thesis proposal in the previous semester, and approval of Major Professor.

## NATIONAL SECURITY LEADERSHIP (NSL)

For Graduates Only

- 6000. DOCTORAL SEMINAR.** (3-3-0). This course considers the theoretical and empirical aspects of research concerning information seeking and use, both in terms of individual behavior and social context. The course will address both the philosophical and methodological issues involved in research design, as well as the specific behavioral and situational issues that emerge in the sites of social action that are characterized by data research and collection. Students will work on a paper designed to help gain a scholarly voice, reflect on issues of importance, and begin defining a dissertation focus.

- 6100. QUALITATIVE AND ETHNOGRAPHIC METHODS RESEARCH.** (3-3-0). Instills and examines the fundamental principles of inquiry through active experimentation with ethnographic and quasi-ethnographic methods. Analysis of ethnographic descriptions and data via live, large datasets using automated methods.
- 6150. QUANTITATIVE METHODS RESEARCH.** (3-3-0). This course provides an in depth exposition of the quantitative approaches to testing and verifying phenomena. The overarching goal of this course is to establish a forum to continue learning the “craft” of social research and its associated technologies to assist in acquiring the skills necessary in undertaking dissertation related research from a quantitative research approach.
- 6200. MIXED METHODS RESEARCH.** (3-3-0). This course examines full-cycle research and focuses on scale development skills involving reliability and validity measures, as well as confirmatory factor analysis, and issues of survey development and implementation.
- 6250. ACTION RESEARCH.** (3-3-0). This course discusses and contrasts Intervention Research (aka Socio-Economic Approach to Management, SEAM) and Action research. Both approaches aim at taking action and creating useful knowledge or theory from that action. Intervention Research using SEAM means going into the field, collecting observations, taking verbatim notes from interviews, and conducting co-designed interventions with clients that add value to an organization.
- 6300. APPRECIATIVE INQUIRY.** (3-3-0). This course explores and develops the art of deciphering and understanding organizations in ways that assist professional leaders to imagine, design, and create organizational excellence from a strategic perspective.
- 6400. ORGANIZATIONAL LEADERSHIP IN THE 21<sup>ST</sup> CENTURY.** (3-3-0). This course presents a comprehensive and integrative approach to leadership and management. It is based upon a framework that analyzes leadership and management at three different levels: tactical leadership, operational leadership, and strategic leadership at the organizational level. The focus on a systems approach will enable you to examine and consider a multi-organizational-level leadership model that is applicable in different organizational contexts. Students will also examine a model of personal leadership that will enhance their understanding of how one can prove most effective as an organizational leader.
- 6450. PHILOSOPHY OF VALUES AND ETHICS.** (3-3-0). This course begins with classic readings and is supplemented with contemporary readings in socio-technical systems from global perspectives including; Eastern, Western, and indigenous approaches to appropriate technology. Students will identify moral dilemmas and choices in organizational life and professional careers. It also examines how leaders can build or contribute to the development of the good, true, and functionality within organizational structures.
- 6500. INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY.** (3-3-0). This course identifies methods in which psychological theory and research have been applied to understand and enhance the effectiveness of leaders in an organizational environment. Students will study organizational effectiveness and psychological principles in organizational and interpersonal dynamics.
- 6550. PRACTICUM CONSULTATION.** (3-3-0). The course assists the student in developing as a consultant and to deepen their understanding of the process of consulting and associated interventions. Process consulting is a set of methodologies which are used to enhance individual, group, and organization effectiveness. Additionally, it helps people work more effectively through a collaborative effort, and its impact can last long after the consultant has left. Process consulting is intervening carefully, at the appropriate levels, to help an organization accomplish its goals.
- 6600. POLICY AND GOVERNANCE IN MULTIAGENCY COLLABORATION.** (3-3-0). This course identifies how multiagency organizational policy is formed and created. National security policy and governance must be framed in a critical nature. Therefore, we base policy and governance studies upon the complexities and crucial interdependencies of critical infrastructure that forms the life sustaining systems of a developed and developing society. The course utilizes an intentional interdisciplinary focus (e.g., sociology, psychology, anthropology, economics, and political science).
- 6650. ORGANIZATIONAL COLLABORATION.** (3-3-0). This course analyzes how network organizations are developing quickly throughout the world and are becoming increasingly important in how work is accomplished. In the case of national security, where many interagency and inter-organizations must work together to respond to a crisis, understanding network organizations and how to work collaboratively between and with them is no longer a nicety; it is absolutely essential. The problems of working with diverse organizational cultures, communicating across organizations, communities, and social groups including rural versus urban and metropolitan cultures will be addressed. Unique planning, intervention, and communication problems involving case studies and simulations will be used to create an active learning involvement. Students will be expected to build and develop their leadership skills necessary for working within and between network organizations while examining various methods used for operating within a parent organization as well as cooperatively with outside national security partners and stakeholders.
- 6700. CRISIS AND OPERATIONAL PLANNING.** (3-3-0). This course develops and expands the student’s understanding of emergency response operations and the development and integration of trans-organizational operations planning and execution while learning how to effectively respond to a crisis; manage the initial response; organize and lead at the point of crisis; and establish critical on-the-spot decisions as the crisis develops.
- 6750. STRATEGIC THINKING.** (3-3-0). This course expands the student’s ability to think strategically within the discipline of national security and develop the leadership capacity for unilateral and multi-agency actions with perspectives of ongoing organizational activity.
- 6800. INTELLIGENCE AND NATIONAL SECURITY.** (3-3-0). This course provides a strategic approach to the origins, milestones, critical events, and policies that shaped the current United States intelligence infrastructure. It also includes discussion of national security policy and actions that have been implemented and analysis of policy effectiveness.
- 6850. TERRORISM IN THE 21<sup>ST</sup> CENTURY.** (3-3-0). This course is designed to provide students with a comprehensive understanding of the problems created by modern terrorism and political violence. It will define terrorism through a critical lens; examine its origins, characteristics, nature and trends; and address national security issues in response to various acts of domestic and international terrorism.
- 6900. DISSERTATION.** (3-3-0). All doctoral candidates in the Doctorate of Arts in National Security Leadership are required to write a dissertation. The candidates will formally present their dissertation research proposals (chapters 1-3) to their dissertation committee. All students will be assigned a Dissertation Committee consisting of the Committee Chair and two other professors (Readers) of his or her choosing with the approval of the Committee Chair.

## NURSING (NURA, NURB, NURG)

For Undergraduates Only

- 1050. HISTORY, ISSUES, AND TRENDS IN NURSING.** (1-1-0). A non-clinical course designed to introduce students to nursing; discusses historical and current issues in nursing and their effect on nursing practice. Topics included provide the basis for understanding the practice of nursing. Corequisites: Registration in or credit for English 1010, Mathematics 1020, Chemistry 1070, Biology 2250, University Studies 1000 or consent of the Dean.
- 1080. TRANSITION TO NURSING.** (3-3-0). This course provides a framework for assisting transition from a health care related field to an associate degree nurse. Credit not allowed from more than one course from 1080 and 1050. Prerequisites: Successful completion of the courses in the first semester of the Transition to Nursing-ASN curriculum pattern; fulfillment of Transition to Nursing ASN admission criteria. Corequisites: NURA 1081, Registration in or credit for English 1020, Math 1060, Biology 2260, Biology 2210, and NURA 1160. Enrollment is by a selection process based on special admission criteria.
- 1081. INTRODUCTION TO NURSING SKILLS.** (2-1-3). This course provides the foundation upon which subsequent technical skills are developed. Acquisition of competency in nursing skills in a supervised laboratory setting. Limited clinical laboratory practice will be arranged in selected health care agencies. Prerequisites: Successful completion of the courses in the first semester of the Transition to Nursing ASN curriculum pattern, Successful completion of the courses in the first semester of the Transition to Nursing to ASN curriculum pattern; fulfillment of Transition to Nursing ASN admission criteria. Corequisites: NURA 1080; Registration in or credit for English 1020, Math 1060, Biology 2260, Biology 2210, and NURA 1160. Enrollment is by a selection process based on special admission criteria.
- 1100. INTRODUCTION TO NURSING.** (4-4-0). Provides the foundation upon which all subsequent nursing courses are developed. The nurse's role in meeting man's basic needs across the lifespan including an introduction to the nursing process and the concepts of comfort, rest, sleep, oxygenation, nutrition, and elimination. Prerequisites: successful completion of the first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1110, registration in or credit for English 1020, Mathematics 1060, Biology 2260. Enrollment is by selection process based on special admission criteria.
- 1110. INTRODUCTION TO NURSING SKILLS.** (3-0-9). Provides the foundation upon which subsequent technical skills are developed. Acquisition of competency in nursing skills in a supervised laboratory setting. Limited clinical laboratory practice will be arranged in selected health care agencies. Prerequisites: Successful completion of first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1100, registration in or credit for English 1020, Mathematics 1060, Biology 2260. Enrollment is by a selection process based on special admission criteria.
- 1160. METHODS OF MEDICATION DOSAGE CALCULATION.** (1-1-0). Application of mathematical methods to calculate medication dosages prescribed for clients across the lifespan. Prerequisite: completion of the first semester of the ASN curriculum pattern or consent of Dean.
- 1500. NURSING CONCEPTS I.** (4-4-0). The nursing process in assisting clients across the lifespan to meet the basic needs of elimination, bowel and urinary, metabolism, mobility, and nutrition. Prerequisites: 1100, 1110. Corequisites: 1510, registration in or credit for Biology 2210.
- 1510. APPLICATION OF THE NURSING PROCESS I.** (3-0-9). Application of the nursing process in the care of selected clients with threats to elimination, bowel and urinary, metabolism, mobility, and nutrition needs. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: 1100, 1110. Corequisites: 1500, registration in or credit for Biology 2210.
- 1550. PHARMACOLOGY.** (2-2-0). An overview of the basic principles of pharmacology for registered nurses. A review of the major drug classifications, including an emphasis on nursing implications. Prerequisite: NURA 1100 or 1081.
- 2100. NURSING CONCEPTS II.** (5-5-0). The nursing process in assisting clients across the lifespan to meet the basic needs of the reproductive, psychological, and neurological systems. Prerequisites: NURA 1500, 1510, 1060 or 1080/1081. Corequisites: NURA 2110, registration in or credit for Psychology 2050.
- 2110. APPLICATION OF THE NURSING PROCESS II.** (4-0-12). Application of the nursing process in the formulation and organization of care of selected clients with threats to the basic needs of safety and sexuality. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: NURA 1500, 1510, 1060 or 1080/1081. Corequisites: NURA 2100, registration in or credit for Psychology 2050.
- 2150. SPECIAL TOPICS IN NURSING.** (3-3-0). Designed to enhance theoretical knowledge in planning, implementing and evaluating nursing care. Prerequisites: NURA 1100/1110 and 1500/1510.
- 2170. METHODS OF MEDICATION DOSAGE CALCULATION.** (2-2-0). Application of mathematical methods to calculate medication dosages prescribed for clients across the lifespan. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: Enrollment in NURB 3040, 3041, 3060, and 3061.
- 2180. BSN STUDENT SUCCESS.** (3-3-0). Provides BSN students with information and skills to support a successful transition from the academic to the clinical phase of nursing education. Essential skills required for success in clinical nursing classes are introduced. Prerequisites: Must meet eligibility requirements, including completion of the first semester of the BSN curriculum pattern, or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 2500. NURSING CONCEPTS III.** (5-5-0). The nursing process in assisting clients across the lifespan to meet the basic needs of oxygenation, circulation, tissue perfusion, emergency care and disaster preparedness. Prerequisites: NURA 2100, 2110. Corequisites: NURA 2510, registration in or credit for NURA 2550 and FA 1040.
- 2510. APPLICATION OF THE NURSING PROCESS III.** (5-0-15). Application of the nursing process in the formulation, organization, and evaluation of care for selected groups of clients with threats to oxygenation/circulation and other threats to basic needs. Principles of client management will be included. Prerequisites: NURA 2100, 2110. Corequisites: NURA 2500, registration in or credit for NURA 2550 and FA 1040.
- 2550. HUMANISTIC NURSING CARE.** (1-1-0). Designed to sensitize students to the psychosocial and cultural implications of humanistic nursing care and to provide a study in communication skills. Prerequisites: NURA 2100, 2110. Corequisites: Registration in or credit for NURA 2500, 2510 or consent of the Dean of the College of Nursing and School of Allied Health.

- 3030. NURSING AS A PROFESSION.** (3-3-0). Introduction to professional nursing within the health care system. Nursing process, critical thinking, communication, and teaching-learning processes of nursing are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first two semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3040. FOUNDATIONS OF NURSING.** (3-3-0). Basic concepts essential to administration of safe and effective nursing care to individuals. Prerequisite: Completion of first three semesters of the B.S.N. curriculum pattern, admission to B.S.N. clinical components or consent of the Dean of the College of Nursing and School of Allied Health. Credit or registration in NURB 3060, 3061. Corequisite: NURB 3041.
- 3041. FOUNDATIONS OF NURSING PRACTICUM.** (2-0-6). Supervised performance of basic nursing activities in health care settings. The focus of care is the individual. Clinical practice is planned to provide students with opportunities to apply the nursing process, communication skills, and psychomotor skills to perform basic nursing activities. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing and School of Allied Health. Registration in or credit for NURB 3060, 3061. Corequisite: NURB 3040.
- 3050. CONCEPTS OF ALTERED HEALTH STATES.** (3-3-0). Provides the nursing student with foundational knowledge of selected alterations in body functions which result in changes in health status. Prototype pathophysiologic processes are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first two semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing and School of Allied Health. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3060. HEALTH ASSESSMENT ACROSS THE LIFESPAN.** (3-3-0). The knowledge and techniques related to physical assessment of clients across the lifespan with an emphasis on expected findings. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing and School of Allied Health. Co-registration in or credit for NURB 3040, 3041. Corequisite: NURB 3061.
- 3061. HEALTH ASSESSMENT AND BASIC LIFE SKILLS ACROSS THE LIFESPAN.** (3-1-6). Supervised performance of techniques related to physical assessment of clients across the lifespan and basic nursing activities in a laboratory setting. Prerequisite: Completion of the first three semesters of the BSN curriculum, admission to BSN clinical component or consent of the Dean of the College of Nursing and School of Allied Health. Co-registration in or credit for NURB 3040, 3041. Corequisite: NURB 3060.
- 3110. PATHOPHYSIOLOGY FOR RN'S.** (3-3-0). Concepts of pathophysiology and manifestations of diseases and how the body adapts. Provides a foundation for critical thinking and decision making related to health care. Pre or corequisites: Admission to the RN to BSN program, NURB 3140 or permission of the dean.
- 3112. INDEPENDENT STUDY FOR REGISTERED NURSES.** (1 to 3-3-0). Supervised self-directed study to explore selected issues affecting professional nursing practice. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
- 3122. DIMENSIONS OF PROFESSIONAL NURSING.** (4-4-0). Professional, socioeconomic, ethical, legal, and legislative issues influencing professional nursing practice. Pre or Corequisites: Admission to the RN to BSN program, NURB 3140, or consent of the dean.
- 3130. ADULT HEALTH NURSING.** (4-4-0). Explores the application of the nursing process to adults experiencing surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardio-vascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Successful completion of all courses in the first four semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Registration in or credit for NURB 3150. Corequisite: NURB 3141.
- 3140. INFORMATICS FOR RN'S.** (3-3-0). Concepts of nursing informatics and healthcare information management. The application of these concepts and technologies as they apply to the practice of nursing. Prerequisite: Admission to the RN to BSN program, limited to registered nurses or consent of the dean.
- 3141. ADULT HEALTH NURSING PRACTICUM.** (4-0-12). Application of the nursing process in acute care and community-based environments to care for adults with surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardiovascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Successful completion of all courses in the first four semesters of the B.S.N. curriculum or consent of the Dean of the College of Nursing and School of Allied Health. Registration in or credit for NURB 3150. Corequisite: NURB 3130.
- 3142. GERONTOLOGY FOR REGISTERED NURSES.** (3-3-0). This course will examine aging process, theories, trends and research in the aging adult. Discuss the role of the professional nurse in caring for the older adult in a variety of health care settings. Pre or corequisite: Admission to the RN to BSN program, NURB 3140, NURB 3122 or consent of the dean.
- 3150. PHARMACOLOGY IN NURSING.** (3-3-0). An overview of the basic principles of pharmacology for the registered nurse. A review of the major drug classifications will include an emphasis on nursing implications. Prerequisite: Successful completion of the first four semesters of the B.S.N. curriculum pattern, registered or credit for NURB 3130 and 3141, or consent of the Dean of the College of Nursing and School of Allied Health.
- 3160. RESEARCH IN NURSING.** (3-3-0). This course will examine the elements of the research process and evidence-based practice process to prepare the student to be a consumer of research. Emphasis on developing skills for systematic appraisal of the credibility of the finding of a single research study and determining applicability of finding to nursing practice. Prerequisite: Successful completion of courses listed in the first clinical semester of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: registration in or credit for PSYC 4400.
- 3201. EXPERIENCES IN CLINICAL NURSING PRACTICE.** (4-0-12). This course is designed to expand current clinical knowledge and skills through one-on-one nurse-student interactions within the patient care setting. Clinical experiences will focus on enhancing clinical skills, implementing the nursing process, and developing the professional role. The student will increase clinical competency by experiencing pragmatic nursing practice. Prerequisites: Completion of either Nursing 2100 and Nursing 2110; or Nursing 3220 and Nursing 3221; or Nursing 3230 and Nursing 3231; or permission of the Dean of the College of Nursing and School of Allied Health.

- 3220. CHILD HEALTH NURSING.** (2-2-0). Child health promotion, assessment, and nursing management from infancy through adolescence. To include developmental considerations, family theories, sociocultural factors, age-related risks to health, and common childhood health problems. Emphasis on the nurse advocacy role in individual, family based, and societal issues of child health. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: NURB 3221.
- 3221. CHILD HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process to the care of children and families in acute care and community based settings. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: NURB 3220.
- 3223. HEALTH ASSESSMENT FOR REGISTERED NURSES.** (3-2-3). Theoretical foundations and clinical skills related to biophysical, psychological, spiritual, sociocultural and risk assessment of individuals across the lifespan. Prerequisite – Corequisite: NURB 3140 or consent of the dean.
- 3224. INTRODUCTION NURSING RESEARCH FOR REGISTERED NURSES.** (4-4-0). The research process and its application to evidenced-based practice are examined. Current research studies are critiqued, research findings are evaluated and utilized in clinical practice. Prerequisite: limited to registered nurses that have completed the first three semesters of the curriculum pattern or consent of the dean.
- 3230. CARE OF WOMEN AND THE CHILDBEARING FAMILY.** (2-2-0). Explores theories, concepts, knowledge, and skills for comprehensive nursing care of women throughout the lifespan and the childbearing family. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: NURB 3231.
- 3231. CARE OF WOMEN AND THE CHILDBEARING FAMILY PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: Successful completion of courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: NURB 3230.
- 3250. INTRODUCTION TO INTEGRATIVE MEDICINE IN NURSING.** (3-3-0). Introduction to Integrative Medicine modalities (more natural & less invasive) in cardiovascular health, gastrointestinal disorders, herbal/botanical supplements, manual medicine, mental health, mind-body medicine, spirituality, & women's health. This course will enhance health care personnel's ability to use a myriad of modalities for health and healing. Prerequisites: First five semesters of the BSN curriculum or permission of the Dean of the College of Nursing and School of Allied Health.
- 4120. COMPLEX NURSING CARE.** (4-4-0). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute, complex health crisis. Prerequisite: Successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4121.
- 4121. COMPLEX NURSING CARE PRACTICUM.** (2-0-6). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute health crisis. Prerequisite: Successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern. Corequisite: 4120.
- 4130. PSYCH-MENTAL HEALTH NURSING.** (3-3-0). Application of the nursing process to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4131.
- 4131. PSYCH-MENTAL HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process in acute care and community-based settings to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4130.
- 4191. COMMUNITY BASED NURSING PRACTICUM FOR REGISTERED NURSES.** (5-4-3). Exploration and application of the theoretical basis for the provision of comprehensive nursing care to individuals, families, and communities. Emphasis is on health promotion, risk reduction, disease prevention, and health care management across the lifespan in community-based settings. Pre-or corequisite: NURB 3224 or consent of the dean.
- 4220. COMMUNITY HEALTH NURSING.** (3-3-0). Explores theories, concepts, knowledge, and skills for nursing care of aggregates and communities. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4221.
- 4221. COMMUNITY HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4220.
- 4230. HEALTHCARE MANAGEMENT.** (3-3-0). An introduction to application of theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4220, 4221, 4231.
- 4231. TRANSITION TO PROFESSIONAL PRACTICE.** (4-0-12). Application of theories of leadership, change, and management to provide effective nursing care to individuals, families, groups, and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 4230.
- 4291. LEADERSHIP AND MANAGEMENT PRACTICUM FOR REGISTERED NURSES.** (5-4-3). Exploration and application of leadership and management theories and principles to the delivery of health care to individuals, families, groups, and communities. Pre-or corequisite: NURB 3224 or consent of the dean.



**4700. HEALTH CARE INFORMATICS: INFORMATION MANAGEMENT FOR HEALTH CARE PROFESSIONALS.** (3-2-2). Introduction to theories, concepts, and technology application essential to identifying, collecting, processing, and managing data and information to support health care practice, administration, education, research and the expansion of knowledge within the evolving technology-rich health care environment. Prerequisite: Graduate standing or permission of instructor. Undergraduate: Completion of one clinical semester (basic computer skills beneficial, but not required).

**4950. SPECIAL TOPICS IN NURSING.** (3-3-0). Supervised self-directed study to increase theoretical knowledge in planning, implementing and evaluating nursing care. Prerequisite: Two semesters of clinical nursing courses. May be repeated for credit when topic varies.

Subtitles:

80-Nursing Process Review Seminar

81-Nursing Process Review Seminar

82-Transcultural Nursing

83-Gerontological Nursing

For Graduates Only

**5000. ORIENTATION TO GRADUATE NURSING.** (0-1-0). This introductory course is designed to facilitate transition into the role of the successful graduate nursing student. The knowledge and foundational skills which include such elements as competencies in writing, communicating, and information literacy, various learning modalities, and responsibilities will be reviewed. Prerequisite: Admission to the graduate nursing program. Corequisite: Must be concurrently enrolled in at least one three (3) credit hour graduate nursing course.

**5010. RESEARCH IN NURSING.** (3-3-0). Scientific investigation; classifications of research; analysis and interpretation. Developing a research design to investigate a nursing problem. Application of an Evidence-Based Practice model for research appraisal. Prerequisites: Basic statistics course (may be taken concurrently) and graduate standing.

**5025. CLINICAL PRACTICUM I FOR NURSE EDUCATORS.** (3-2-4). This practicum course immerses MSN nurse educator students in clinical teaching environments, enabling application of advanced educational theories, teaching strategies, and leadership skills in diverse clinical settings. Emphasis is on developing competencies in clinical instruction, mentorship, learner evaluation, and professional role development as nurse educators. Students will integrate evidence-based teaching and reflective practice to foster learner success and advocate for excellence in nursing education within academic and healthcare environments. Prerequisites: registration in or credit for 5120, 5280, and 5700.

**5030. HEALTH CARE LAW AND ETHICS.** (3-3-0). Exploration of legal and ethical issues relevant to advanced nursing practice. A seminar designed to explore the legal and ethical issues that arise in the provision of health care in the United States. Prerequisite: Graduate standing or with permission of the dean.

**5035. CLINICAL PRACTICUM II FOR NURSE EDUCATORS.** (3-2-4). Application, synthesis, and evaluation of knowledge, theories, and principles that create new, dynamic relationships for improving care of clients across the lifespan. Intervention priorities, innovative approaches, evaluation of outcomes. To prepare nurse educators who are capable of advancing nursing education and practice through the application of educational theories, evidence-based teaching strategies, and scholarly inquiry. Prerequisite: credit for 5025.

**5040. ADULT-GERONTOLOGY NURSING I.** (3-2-8). Guided experience in application of the nursing process with adult-geriatric clients in selected settings. Systematic inquiry and hypothesis testing. Nursing intervention at primary, secondary, and tertiary levels. Prerequisites: registration in or credit for 5120 and 5280 and 5700.

**5050. ADULT-GERONTOLOGY NURSING II.** (3-2-8). Application, synthesis, and evaluation of knowledge, theories, and principles that create new, dynamic relationships for improving care of the adult-geriatric client. Intervention priorities, innovative approaches, evaluation of outcomes. Prerequisite: 5040.

**5060. PRACTICUM IN TEACHING.** (3-0-8). Seminar in theory, critical thinking and analysis with guided experiences in the use of teaching strategies. Prerequisite: NURG 5035.

**5070. EVALUATION OF NURSING EDUCATION.** (3-3-0). Methods of evaluation, with emphasis on test preparation and clinical performance appraisal. Prerequisite: Registration in or credit for Psychology 4400.

**5075. INTRODUCTION TO INTEGRATIVE MEDICINE FOR HEALTH PROFESSIONALS.** (3-3-0). This course will discuss integrative medicine modalities that utilize conventional and alternative medicine that have evidence of safety and effectiveness in a variety of health care conditions. This course will enhance the health care professional's ability to use a myriad of modalities (more natural & less invasive) for health and healing. Prerequisite: enrolled in graduate nursing program.

**5080. INDEPENDENT STUDY.** (3-3-0). Selected nursing practice problems. Problem and mode of study agreed upon by student and instructor. Prerequisite: Graduate standing and instructor approval.

**5090. CURRICULUM DEVELOPMENT IN NURSING EDUCATION.** (3-3-0). Theories and procedures. Philosophy, program objectives and conceptual framework development. Prerequisite: Graduate standing.

**5100. SOCIAL FORCES AND NURSING PRACTICE.** (3-3-0). Social forces affecting the health care system; exploration and evaluation of concerns germane to contemporary nursing and the role of the masters prepared nurse. Prerequisite: Graduate standing.

**5110. LEADERSHIP IN HEALTHCARE.** (3-3-0). Administration concepts, principles and theories which relate to communication, decision-making, power, change and leadership. Prerequisite: Admission to Graduate School.

**5120. THEORY ORIENTED NURSING PRACTICE.** (3-3-0). Nursing theory development as basis for nursing practice. Systematic description, prediction and control of clinical phenomena in the generation of testable hypotheses about nursing. Prerequisite: Graduate standing.

**5125. CLINICAL PRACTICUM FOR NURSE ADMINISTRATORS I.** (3-2-4). This course introduces foundational concepts of nursing administration for advanced practice nurses assuming leadership roles in healthcare organizations. Emphasis is placed on effective communication strategies, collaborative relationship building with interprofessional teams, and the principles of creating and sustaining a safe, high-quality healthcare environment. Students begin developing business acumen through an introduction to healthcare finance, policy, and organizational structures. Professionalism and leadership skills are cultivated through exploration of ethical decision-making, role accountability, and self-awareness in the nurse administrator role. Students will have guided experiences in application of the nursing process by faculty and nurse administrators in various primary, secondary, and tertiary patient care settings. Prerequisites: registration in or credit for 5120, 5110, 5210, 5280, and 5700.

- 5130. TOPICS IN NURSING.** (3-3-0). Specialized studies in nursing to meet specific learning needs of students. Prerequisite: Graduate standing. May be repeated once for credit.
- 5135. CLINICAL PRACTICUM FOR NURSE ADMINISTRATORS II.** (3-2-4). Building on core administrative competencies, this course focuses on advanced strategies for communication, negotiation, and conflict resolution to strengthen collaborative relationships across diverse healthcare settings. Students analyze and apply business and management principles related to budgeting, staffing, and resource allocation to ensure operational excellence. Students will focus on fostering a culture of safety and continuous improvement in the healthcare environment. Professionalism and leadership are demonstrated through case-based learning, with students demonstrating accountability, integrity, and strategic thinking in complex administrative scenarios. Prerequisites: registration in or credit for 5125.
- 5140. LEADERSHIP ROLE DEVELOPMENT.** (3-0-12). Practicum in role development for decision making, accountability, planning, change, and evaluation. Prerequisites: 5110, six hours in the clinical sequence.
- 5145. CLINICAL PRACTICUM FOR NURSE ADMINISTRATIONS III.** (3-0-8). This capstone course integrates the competencies required for excellence in advanced nursing administration. Students demonstrate mastery of effective communication and interprofessional collaboration in leading organizational initiatives. Business acumen is applied to strategic planning, program development, and evaluation, with an emphasis on financial stewardship and policy advocacy. The course also focuses on transformational leadership and the cultivation of professional practice environments that support staff engagement, innovation, and optimal patient outcomes. Students synthesize knowledge and skills to assume executive-level responsibilities in healthcare administration with professionalism, vision, and influence. Prerequisites: 5125, and 5135.
- 5170. PRACTICUM IN CLINICAL NURSING.** (3-0-18). Application, synthesis, and evaluation of knowledge and activities in the varied roles of the clinical nurse specialist. Prerequisite: 5190.
- 5190. TOPICS IN ADVANCED CLINICAL NURSE SPECIALIZATION.** (3-0-18). A guided clinical experience in selected settings for Adult-Gerontology, Critical Care Adult-Gerontology, Maternal Child Clinical Nurse Specialists students. Prerequisite: 6 hours in a clinical sequence of courses.
- 5210. NURSING ADMINISTRATION II.** (3-3-0). Study of advanced nursing administration concepts including financial management, legal issues, risk management, quality assurance, and personnel management. Prerequisite: Graduate standing.
- 5280. ADVANCED HUMAN PHYSIOLOGY AND PATHOLOGY FOR ADVANCED PRACTICE NURSES.** (3-3-0). The analysis, evaluation, synthesizing and integration of advanced human physiology and pathology concepts for the advanced practice nurse. Prerequisite: Graduate standing.
- 5290. INSTRUCTIONAL STRATEGIES AND METHODS.** (3-3-0). The student examines various teaching strategies and methods. Educational theories, principles of learning, and theories relevant to the instructional process will be discussed. Emphasis will be placed on classroom and clinical teaching, supervision, and management of the learning environment. Teaching using technology will be a major focus. Prerequisite: Graduate standing.
- 5300. EPRODUCTIVE PHYSIOLOGY.** (1-1-0). Concepts of advanced physiology of human reproduction and embryology, with emphasis on female and male reproductive tract physiology, reproductive endocrine function, and embryological and fetal development, for application in Advanced Nursing Practice. Prerequisite: Graduate standing.
- 5310. MATERNAL-CHILD AND FAMILY NURSING I.** (3-2-8). Client care problems in maternal-child health care settings. Formulation and testing of hypotheses of nursing intervention. Conceptual framework derived from the Neuman health care systems. Prerequisite: Registration in or credit for 5120, 5280, and 5700.
- 5320. MATERNAL-CHILD NURSING II.** (3-2-8). Formulation and testing of hypotheses of nursing intervention. Synthesis and evaluation of advanced nursing knowledge and clinical competence in the practice of maternal-child nursing. Prerequisite: 5310.
- 5330. WHNP I. CARE OF THE WELL WOMAN ACROSS THE LIFESPAN AND THE LOW RISK OBSTETRIC CLIENT.** (3-2-7). The theoretical and clinical basis for management of health care needs of essentially well women through the life cycle, including low risk pregnant women. Prerequisite: 5350. Corequisite: 5100, 5810, 5995.
- 5340. WHNP II. CARE OF THE WOMAN WITH OBSTETRIC AND GYNECOLOGIC PROBLEMS.** (3-2-10). The theoretical and clinical basis for management of primary health care needs of women experiencing obstetric and gynecologic deviations from wellness throughout the life cycle. Prerequisites: NURG 5260, 5330.
- 5350. WHNP III. CARE OF THE WOMAN WITH NON-REPRODUCTIVE PRIMARY CARE PROBLEMS.** (3-2-10). The theoretical and clinical basis for management of primary health care needs of women experiencing common acute and chronic non-reproductive health problems/illnesses throughout the life cycle, including certain vulnerable populations. Prerequisites: NURG 5120, 5280, 5700, 5820. Corequisites: NURG 5710, 5010, 5260, 5830.
- 5360. WHNP IV. CLINICAL PRECEPTORSHIP.** (3-0-20). Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Women's Health Nurse Practitioner and refine competencies in clinical judgment and management of the health care of women throughout the life cycle with special focus in underserved areas. Prerequisites: 5350, 5270, 5840.
- 5370. GENOMICS FOR NURSING PRACTICE.** (1-1-0). This course reinforces knowledge of basic genetics, inheritance patterns, mutations, and the Human Genome Project. It then introduces diagnostic techniques, genetic counseling, pharmacogenomics, gene therapy, as well as ethical, legal, and social issues pertaining to advanced practice nursing. Focus is on prenatal genetics, development and teratogenesis, neurodegenerative diseases, hereditary cancers, sickle cell disease, familial hypercholesterolemia and cardiomyopathies and other selected heredity disease processes. Prerequisite: Graduate standing.
- 5380. HEALTHCARE FINANCE FOR HEALTHCARE ADMINISTRATOR.** (3-3-0). This course emphasizes the integration of healthcare economics and financing in healthcare delivery systems. Healthcare finance focuses on financial management issues. This course introduces students to the processes by which the finances of the healthcare enterprise (e.g. hospital acute, longterm facility, durable medical equipment, pharmaceuticals/DME supplies, or medical group) are managed. Prerequisite or Corequisite: Graduate Standing.

- 5400. THEORETICAL FOUNDATIONS OF ROLE DEVELOPMENT IN CLINICAL NURSE SPECIALIZATION.** (3-3-0). Theories of role development and change for the clinical nurse specialist as consultant, leader, researcher, practitioner and teacher. Prerequisite: Graduate standing.
- 5410. ADULT GERO ACNP I. ACUTE CARE MANAGEMENT OF THE ADULT-GERIATRIC CLIENT.** (3-2-10). The theoretical and clinical basis for the management of acute care health needs of adults through the life cycle. Prerequisites: NURG 5120, 5280, 5700, 5820. Corequisites: NURG 5010, 5260, 5710, 5830.
- 5420. ADULT GERO ACNP II. EMERGENT AND TRAUMA CARE OF THE ADULT-GERI CLIENT.** (3-2-7). The theoretical and clinical basis for the advanced practice management of emergency and trauma health care needs of adults through the life cycle. Prerequisites: NURG 5120, 5280, 5700, 5820, 5410, 5010, 5260, 5710, 5830. Corequisites: NURG 5810 and 5100.
- 5430. ADULT GERO ACNP III. CRITICAL CARE MANAGEMENT OF THE ADULT-GERI CLIENT.** (3-2-10). The theoretical and clinical basis for the advanced practice management of critical care health needs of adults through the life cycle. Prerequisites: NURG 5120, 5280, 5700, 5820, 5410, 5420, 5010, 5260, 5710, and 5830. Corequisites: NURG 5810 and 5100.
- 5440. ADULT GERO ACNP IV. CLINICAL PRECEPTORSHIP.** (3-0-20). Clinical preceptorship in selected clinical sites in internal medicine, emergency/trauma, and intensive care areas with opportunities to refine the role of the Acute Care Nurse Practitioner and refine competencies in clinical judgment and management of the acute health care needs of the adult client. Prerequisite: NURG 5430.
- 5530. ADULT-GERONTOLOGY PRIMARY CARE NURSE PRACTITIONER I: CARE OF THE YOUNG ADULT.** (3-2-10). Health promotion, disease prevention, and management of common acute, chronic and rehabilitative primary health problems of young adults. Prerequisite: NURG 5700. Corequisite: NURG 5830.
- 5540. ADULT-GERONTOLOGY PRIMARY CARE NURSE PRACTITIONER II: CARE OF THE MIDLIFE ADULT.** (3-2-7). Health promotion, disease prevention, and management of common acute, chronic, and rehabilitative primary health problems of midlife adults. Prerequisite: 5120, 5280, 5530, and 5700. Corequisite: 5270, 5830.
- 5550. ADULT-GERONTOLOGY PRIMARY CARE NURSE PRACTITIONER III: CARE OF THE ELDER ADULT.** (3-2-10). Health promotion, disease prevention, and management of common acute, chronic and rehabilitative primary health problems of elder adults. Prerequisite: NURG 5540. Corequisite: NURG 5840, 5996.
- 5560. ADULT-GERONTOLOGY PRIMARY CARE NURSE PRACTITIONER IV: CLINICAL PRECEPTORSHIP.** (3-0-20). Clinical preceptorship in selected clinical sites with opportunities to refine the role of the adult-gerontology primary care nurse practitioner and develop competency in clinical judgment. Prerequisite: 5700, 5530, 5540, 5550.
- 5690. INFORMATICS FOR NURSING PRACTICE.** (1-1-0). Combining evidence-based practice, decision support systems, and organization of interprofessional care to prepare MSN nurses to serve as information managers, patient advocates, and educators. Focus is on accessing, understanding, applying, and evaluating health related information to improve cost effective care and enhance safety. Prerequisite: Graduate standing.
- 5700. METHODS OF CLINICAL NURSING ASSESSMENT.** (3-2-3). Advanced health assessment of infants, children, adults, prenatal and elderly with emphasis on data collection and establishing priorities for health maintenance and prevention of illness. Prerequisite: Acceptance into Clinical Courses.
- 5710. PHARMACOTHERAPEUTICS.** (3-3-0). Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisite: Graduate standing.
- 5770. FNP I. CARE OF EXPECTANT FAMILIES, CHILDREN, AND ADOLESCENTS.** (3-2-10). Management of expectant parents and common acute, chronic, and rehabilitative primary health problems of neonates through adolescence. Prerequisites: 5700, 5280, 5120, 5780, 5790. Corequisite: 5840.
- 5780. FNP II. CARE OF THE ADULT CLIENT.** (3-2-10). Management of health and common acute, chronic, and rehabilitative primary health problems of young adults to senescence. Prerequisites: 5700, 5280, 5120. Corequisite: 5830.
- 5790. FNP III. CARE OF THE GERIATRIC CLIENT.** (3-2-7). Management of common acute, chronic, and rehabilitative primary health problems of the elderly. Prerequisite: 5780.
- 5800. FNP IV. CLINICAL PRECEPTORSHIP.** (3-0-20). Clinical preceptorship in selected clinical sites with opportunities to refine the role of the family nurse practitioner and develop competency in clinical judgment. Prerequisites: 5700, 5770, 5710, 5810, 5780, 5790. Students may receive an "In Progress" (IP) in 5800 until all academic and clinical requirements are completed and required work is on file with Northwestern.
- 5810. FAMILY DYNAMICS FOR ADVANCE NURSING PRACTICE.** (3-3-0). Examination of theories of family and the dynamics influencing family life, role behavior, coping, change, and challenge. Emphasis is on strategies to assess and promote primary family health to formulate a nursing practice framework.
- 5830. ROLE OF THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (2-2-0). The historical, theoretical, social, legal and regulatory aspects of the professional role of the nurse practitioner. Prerequisite: Acceptance into a nurse practitioner clinical concentration.
- 5840. ROLE OF THE NURSE PRACTITIONER IN BUSINESS PRACTICE.** (2-2-0). Practical applications and strategies for the nurse practitioner student to develop professional, business, political and legal/regulatory acumen. Prerequisite: 5830. Corequisite: 5350 or 5670 or 5790 or 5870 or 5930.
- 5850. PRIMARY CARE PNP I. CARE OF THE WELL CHILD.** (3-2-10). Management of well child care, developmental problems, communicable, and common acute and chronic illnesses and emergencies of the respiratory, gastrointestinal, and urinary systems in children from birth to school age. Prerequisites: 5120, 5280, 5700, 5820. Corequisites: 5010, 5260, 5710, 5830.
- 5860. PRIMARY CARE PNP II. CARE OF THE CHILD WITH ACUTE AND CHRONIC ILLNESS.** (3-2-7). Management of common acute and chronic illnesses of cardiovascular, hematological, immune, endocrine, and musculoskeletal, and neurological systems in children birth to school-age. Prerequisites: 5010, 5260, 5710, 5850, 5830. Corequisite: 5810.
- 5870. PRIMARY CARE PNP III. CARE OF THE ADOLESCENT.** (3-2-10). Management of well adolescent care, psychosocial problems and acute and chronic illnesses and emergencies in adolescents and vulnerable populations. Prerequisite: 5860. Corequisite: 5840.
- 5880. PRIMARY CARE PNP IV. CLINICAL PRECEPTORSHIP.** (3-0-20). Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Pediatric Nurse Practitioner and refine competencies in clinical judgment and management of the health care of children of all ages in underserved areas. Students are required to be continuously enrolled in 5880 until all clinical hours are completed and approved. Prerequisite: 5870.

- 5900. SEMINAR IN NURSING RESEARCH.** (1-1-0). May not be used to satisfy degree requirements.
- 5910. PMHNP I: ASSESSMENT AND DIAGNOSTIC REASONING ACROSS THE LIFESPAN.** (3-2-10). Learn diagnostic interviewing skills to conduct a comprehensive and holistic psychiatric assessment for patients across the lifespan. Examine the Diagnostic and Statistical Manual of Mental Disorders 5 (DSM 5) to use as a basis in the development of differential diagnosis. Apply the knowledge, skills and abilities to the development of an evidence-based plan of care. Prerequisites: 5280, 5700. Corequisite: 5830.
- 5920. PMHNP II: PSYCHOTHERAPEUTIC MODALITIES.** (3-2-7). Learn selected models and theories related to the practice of individual and group therapy. Examine evidence based psychotherapeutic modalities and the application to populations across the lifespan. Apply selected psychotherapeutic interventions to persons at risk for or with psychiatric disorders and evaluate patient outcomes. This course builds upon knowledge and skills learned in NURG 5910. Prerequisites: NURG 5910, 5710.
- 5930. PMHNP III: CARE OF THE CHILD/ADOLESCENT AND OLDER ADULT.** (3-2-10). Learn growth/development and milestone achievement as it applies specifically to children/adolescent and older adults to differential normal from psychopathology. Examine complexities related to providing psychiatric care working with family systems. Apply diagnostic assessment skills, individual and group theories to the care of children/adolescents, and older adults who are at risk for, have symptoms of or have a psychiatric disorder. This course builds upon knowledge and skills learned in NURG 5910 and 5920. Prerequisites: NURG 5910, 5920, 5960.
- 5940. PMHNP IV: EVIDENCE BASED MANAGEMENT OF COMPLEX PATIENTS & POPULATIONS.** (4-1-20). Learn to provide evidenced based care for complex psychiatric patients in fragmented health care systems as a member of the interprofessional care team. Examine legal issues, health policy and economics, and quality improvement related to providing direct patient psychiatric care to individuals and populations across the lifespan while facilitating navigation through the health care system. Apply knowledge, skills and abilities from this course, 5910, 5920, and 5930 to become a practice ready, safe, competent entry-level psychiatric mental health nurse practitioner. This course builds upon knowledge and skills learned in NURG 5910, 5920, and 5930. Prerequisite: 5910, 5920, 5930.
- 5950. RESEARCH PROBLEMS.** (1 to 3-3-0). No more than three hours may be applied to the degree. Students are required to be continuously enrolled in 5950 until the research project is completed and approved. Prerequisite: 5010.
- 5960. PSYCHOPHARMACOLOGY AND NEUROBIOLOGY.** (3-3-0). Learn advanced concepts of neuropathophysiology and psychopharmacology related to the clinical management of psychiatric symptoms and disorders. Examine current scientific knowledge and evidence-based treatments and their application to clinical decision making when treating psychiatric symptoms across the lifespan. Apply knowledge of socioeconomic status, gender, ethnicity, and patient preference to inform treatment interventions. Prerequisites: NURG 5280 and 5710; or with faculty approval; pre-or co- requisite: 5700 or with faculty approval.
- 5980. THESIS.** (1 to 6-3-0). Students are required to be continuously enrolled in 5980 until the thesis is completed and approved. Prerequisite: 5010.
- 5995. RESEARCH SEMINAR.** (2-2-0). The utilization of evidence-based knowledge to provide high quality health care, initiate change, and improve nursing practice. Prerequisite: 5010.
- 5996. RESEARCH SEMINAR II.** (2-2-0). The utilization of evidence-based knowledge to develop a professional paper in lieu of thesis relative to the role of the masters prepared registered nurse. Closed registration. By selection only. Prerequisites: NURG 5010 and NURG 5995.
- 5997. RESEARCH SEMINAR III.** (2-2-0). Build upon the scholarly paper in Research Seminar II to complete a professional paper in place of a thesis relative to the role of the masters-prepared nurse. This course allows students to complete a major paper by analyzing specific data, formulating conclusions, and providing recommendations for nursing practice, education, research, and administration. Students choose to disseminate information by participation in conference presentations or submitting the paper for publication. Prerequisites: NURG 5010, NURG 5995, and NURG 5996.
- 7000. KNOWLEDGE FOR ADVANCED NURSING PRACTICE.** (3-3-0). The course focuses on examining the development of the DNP role in relation to nursing and other professional disciplines and sciences as the basis for translation of theory into advanced nursing practice. Prerequisite: Acceptance into DNP program.
- 7001. POPULATION HEALTH** (3-3-0). This course focuses on the role of the DNP prepared nurse in evaluating and addressing the impact of health system variations, social determinants of health, and public health emergencies to promote individual, family, and community health. The course also focuses on integration of cultural competency and epidemiological concepts into multidisciplinary, collaborative healthcare team endeavors that improve population health. Prerequisite: Acceptance into DNP program.
- 7002. CLINICAL SCHOLARSHIP.** (3-3-0). The course examines various processes used to generate, synthesize, translate, apply and disseminate nursing and interdisciplinary knowledge to transform healthcare. Course content provides a brief overview of the scholarship of discovery, or primary empirical research. The course also focuses on the scholarship of practice which involves interpreting, critiquing and determining the applicability of nursing's body of knowledge to nursing practice. Prerequisite: Acceptance into DNP program.
- 7003. STATISTICS FOR IMPROVING HEALTH RELATED OUTCOMES.** (3-3-0). The course focuses on an overview of epidemiological and statistical concepts and methods utilized in quality improvement initiatives. Includes computation and application of statistical methods used to analyze and interpret biostatistical and epidemiological data as they relate to population health outcomes. Prerequisite: Acceptance into DNP program.
- 7004. ORGANIZATIONAL LEADERSHIP AND HEALTH INFORMATICS.** (3-3-0). The course focuses on integration of health care information management into the delivery of safe, quality, ethical, culturally sensitive, interprofessional care to diverse populations. The course also focuses on the development of advanced nursing practice leaders to influence intentional change in professional and personal contexts with a commitment to personal growth and the expansion of professional knowledge and expertise. Prerequisite: Acceptance into DNP program.
- 7005. INFORMATION SYSTEMS TECHNOLOGY.** (3-3-0). Application of healthcare information management in complex healthcare environments. The focus will include collection, organization, management and dissemination of information in clinical practice arenas such as rural or urban private or public clinics, healthcare systems, or various inter- professional practice areas. Prerequisite: NURG 7000.

- 7007. HEALTHCARE POLICY: ANALYSIS, ADVOCACY, AND TRANSFORMATION.** (3-3-0). Critically examine health system policies' impact on clinical issues, patient care outcomes, distribution of limited resources, healthcare disparities, diffusion of technology and current issues in healthcare at the institutional, local, state, and national levels. Students will advocate for social justice, equity, and ethical policies within all healthcare delivery arenas. Prerequisite: NURG 7000.
- 7009. GLOBAL HEALTHCARE ADVOCACY AND TRANSFORMATION.** (3-3-0). Introduces major global healthcare issues and social, behavioral, economic, biomedical, and environmental determinants of health in resource-limited settings. Describes variations in health systems around the world and current issues in global health policy, including the political economies of healthcare, decision-making processes, governance structures and the resource-constrained realities of global health policy making.
- 7010. DNP PROJECT PRACTICUM I.** (3-0-12). Synthesize current knowledge of a clinical issue related to health care or advanced nursing practice to develop a defendable research question/proposal amenable to scholarly inquiry. First in a series of three courses in which students advance clinical decision making and diagnostic reasoning within healthcare macro and micro systems. The student will develop individualized practicum goals that focus on increasing clinical competency, improving systems leadership and inter-professional collaboration skills, and utilizing information systems technology and to improve healthcare quality and population health in an identified area. Prerequisites: NURG 7000, 7001, 7002, 7004, 7005.
- 7011. DNP PROJECT PRACTICUM II.** (3-0-12). Builds upon Scholarly Project Practicum I course to implement the approved project proposal into the practice setting to improve local, regional, national or international healthcare practice, outcomes, or systems approaches. Prepares the DNP to translate and integrate theory and scientific evidence to enhance clinical decision making and diagnostic reasoning in complex healthcare delivery systems. The second in a series of three courses in which students advance clinical decision making and diagnostic reasoning within macro and micro systems. The student will continue to develop individualized practicum goals that focus on increasing clinical competency, improving systems leadership and inter-professional collaboration skills, and utilizing information systems technology to improve healthcare quality and population health in an identified area. Prerequisite: NURG 7010.
- 7012. DNP PROJECT PRACTICUM III.** (3-0-12). Build upon Scholarly Project Practicum II to evaluate the translation of the capstone project's impact on local, regional, national or international healthcare practice, outcomes, or systems approaches. The third in a series of three courses in which students have advanced clinical decision making and diagnostic reasoning within macro and micro systems. The student will continue to focus on increasing clinical competency, improving systems leadership and inter-professional collaboration skills, and utilizing information systems technology to improve healthcare quality and population health in an identified area. Prerequisites: NURG 7010, 7011.
- 7015. ROLE OF THE APRN IN PRACTICE** (2-2-0). Explores historical origins of advanced nursing practice, its contribution to the contemporary health care environment and the role of advanced nursing practice. Emphasis placed on the articulation of issues specific to the advanced nurse role in practice, administration, and education and scholarship.
- 7016. ADVANCED PHYSIOLOGY AND PATHOPHYSIOLOGY.** (4-4-0). Focuses on the structure, function, dysfunction and integration of selected systems. Analyzes, synthesizes, integrates and evaluates advanced nursing practice through the application of advanced human physiology and pathology concepts. Prerequisite: NURG 5700.
- 7017. PRINCIPLES OF ANESTHESIA PRACTICE I.** (4-4-0). Provides an introduction to the general principles of anesthesia practice, with a focus on anesthesia equipment, instrumentation and technology relevant to anesthesia practice. Introduces the student to the perioperative setting and various types of anesthetics. Prerequisite: NURG 5700.
- 7018. ADVANCED PHYSIOLOGY AND PATHOPHYSIOLOGY FOR NURSE ANESTHESIA.** (4-4-0). Systems-based approach to explore various advanced physiological and pathophysiological concepts. Focus on the structure, function, dysfunction and integration of selected systems of the anesthetic plan of care. Prerequisite: NURG 7016.
- 7019. ADVANCED PHARMACOLOGY FOR NURSE ANESTHESIA.** (4-4-0). Provides a comprehensive review of pharmacological therapeutics relevant to the nurse anesthetist.
- 7020. PRINCIPLES OF ANESTHESIA PRACTICE II.** (3-3-0). Focus on anesthetic management of various surgical procedures as well as anesthetic delivery for special populations. Prerequisite: NURG 7017.
- 7021. NURSE ANESTHESIA CLINICAL PRACTICUM I.** (3-1-2). Orientation to the clinical setting with preceptor-guided instruction at all times. All phases and settings of the perioperative process are experienced during preoperative, intraoperative and postoperative rotations. Simulation experiences are incorporated into the practicum. Prerequisites: NURG 7016, 7017.
- 7022. NURSE ANESTHESIA CLINICAL PRACTICUM II.** (6-1-5). Anesthesia clinical experiences for special patient populations under preceptor-guided instruction at all times. Focus on knowledge and technical skill acquisition to provide safe anesthetic management with assistance. Prerequisite: NURG 7021.
- 7023. PRINCIPLES OF ANESTHESIA PRACTICE III.** (3-3-0). Continued focus on the anesthetic delivery and management of various surgical and diagnostic procedures. Prerequisite: NURG 7020.
- 7024. PRINCIPLES OF ANESTHESIA PRACTICE IV.** (3-3-0). Synthesis of selected anesthesia topics into comprehensive anesthetic management plans for all patient populations undergoing advanced surgical procedures. Prerequisite: NURG 7023.
- 7025. NURSE ANESTHESIA CLINICAL PRACTICUM III.** (10-1-9). Anesthesia clinical experiences for special patient populations during routine procedures with preceptor-guided instruction. Focus on knowledge and technical skill mastery to provide safe anesthetic management. Continuation of specialty rotations and non-traditional shifts. Prerequisite: NURG 7022.
- 7026. NURSE ANESTHESIA CLINICAL PRACTICUM IV.** (12-1-11). Anesthesia clinical experiences for special patient populations during complex procedures with limited preceptor-guided instruction. Focus on knowledge and technical skill mastery to provide safe anesthetic management. Continuation of specialty rotations and non-traditional shifts. Prerequisite: NURG 7025.
- 7027. NURSE ANESTHESIA CLINICAL PRACTICUM V.** (12-1-11). Anesthesia clinical experiences for all patient populations during all procedures with limited preceptor-guided instruction. Focus on knowledge and technical skill mastery to provide safe anesthetic management with a goal of independent practice. Emphasis is obtaining requisite clinical experiences for program completion. Prerequisite: NURG 7026.

- 7028. NURSE ANESTHESIA CLINICAL PRACTICUM VI.** (12-1-11). Anesthesia clinical experiences for all populations during all procedures with preceptor-guided instruction only as needed. Focus on knowledge and technical skill mastery to provide safe anesthetic management in an autonomous manner. Immersion into the profession via specialty rotations and placement at selected clinical sites with completion of requisite clinical experiences for program completion. Prerequisite: NURG 7027.
- 7029. PROFESSIONAL ROLE OF THE NURSE ANESTHETIST.** (3-3-0). Focus on socialization and impending transition into the profession as an anesthesia provider. Review of professional role with a focus on final preparation for entry into practice competency attainment. Prerequisite: NURG 7015.
- 7031. STRUCTURAL AND FUNCTIONAL ANATOMY** (3-3-0). Focuses on the structure and function of the musculoskeletal and neurological anatomy of the head, neck, upper quarter, thorax, abdomen, pelvis and lower limb. Students will be exposed to both deep and surface anatomy with an emphasis on anatomic concepts and relationships.
- 7032. DNP PROJECT DEVELOPMENT.** (2-2-0). The course focuses on the development of a project proposal related to an area of interest for the DNP project. Project planning will incorporate principles of quality improvement initiatives to positively impact health outcomes in vulnerable populations.
- 7033. DYNAMIC LEADERSHIP IN HEALTHCARE.** (3-3-0). The course examines organizational strategic initiatives, design structures, and workforce planning which influence executive decision making for improved operational and clinical outcomes. The course involves analysis of professional leadership development activities that focus on improving cognitive flexibility and creating intentional change guided by leadership principles and theories.
- 7034. FISCAL LEADERSHIP WITHIN HEALTHCARE SYSTEMS.** (3-3-0). This course provides advanced knowledge regarding concepts in financial resources, healthcare economics, including financing, billing, and reimbursement, and budgeting for operations. The course also focuses on principles of fiscal management that influence revenue, payment models, and payor options with an emphasis on developing strategic responses to economic and financial challenges for advanced nursing practice leaders.
- 7035. ADVANCED EXECUTIVE LEADERSHIP PRACTICUM.** (3-2-3). The practicum course provides meaningful practice experiences that focus on the implementation of advanced practice nursing leadership skills to enable students to assume advanced leadership roles in complex systems and contexts. The course promotes advanced level competency attainment in the executive nurse-leader role as students work with organizational leaders to integrate evidence-based leadership qualities and evaluate relationships among organizations, stakeholders and policy makers. The practicum course provides an opportunity for students to integrate and apply nursing and interdisciplinary knowledge, skills, clinical judgment, and competencies developed throughout the program.
- 7036. ADVANCED EDUCATIONAL LEADERSHIP PRACTICUM.** (3-2-3). The practicum course provides meaningful practice experiences that focus on the implementation of advanced practice nursing leadership skills to enable students to assume advanced leadership roles in educational systems and educational contexts. The course promotes advanced level competency attainment in the nurse-educator role as students work with educational leaders to integrate evidence-based educational leadership qualities and evaluate relationships among educational-organization stakeholders and policy makers. The practicum course provides an opportunity for students to integrate and apply nursing and interdisciplinary knowledge, skills, clinical judgment, and competencies developed throughout the program related to educational leadership.

## NUTRITION (NUTR)

For Undergraduates Only

- 1030. HUMAN NUTRITION.** (3-3-0). Principles of nutrition with application to health, physical and mental fitness and longevity.
- 1050. CHILD NUTRITION.** (2-2-0). Nutritional needs and food habits from conception through childhood; helping children understand and apply nutrition concepts through food preparation.
- 1070. NUTRITION FOR CHILDREN AND FAMILIES.** (3-3-0). A comprehensive study of child nutrition as it relates to family practices, cultural expectations, health needs and food habits of young child from conception through childhood; to recognize the important contributions of nutrition to children's learning and overall well-being now and in the future.

## ORGANIZATIONAL LEADERSHIP (ORGL)

For Undergraduates Only

- 3000. INTRODUCTION TO ORGANIZATIONAL LEADERSHIP PRINCIPLES AND CONCEPTS.** (3-3-0). An overview of the principles, theories, models, and styles of organizational leadership. Analysis and assessment of personal leadership style, strengths and weaknesses.
- 3170. CONCEPTS AND TECHNOLOGIES OF ORGANIZATIONAL COMMUNICATION.** (3-3-0). This course will explore the role that human communication, both oral and written, plays in structuring, maintaining, and changing organizational behavior. Students will examine the role that the social media, ethics, diversity, leadership, conflict resolution, and problem-solving can have on business and corporate outcomes.

## ORIENTATION (OR)

For Undergraduates Only

- 1030. EDUCATIONAL AND VOCATIONAL GUIDANCE.** (1-0-0). Assessment of individual abilities and interests; opportunities and requirements of major occupations. Required of all students enrolled in General Curriculum. Adds one semester hour to requirements for a degree.
- 1100. ORIENTATION LEADER SKILLS TRAINING.** (3-3-0). Skills in small group processing and facilitating. Competencies in team building, peer mentoring and communication skills. Understanding policies and procedures of the University. Transitioning high school students to college. Prerequisite: Consent of instructor. May be repeated for a maximum of six hours.
- 2000. INTRODUCTION TO LEADERSHIP.** (3-3-0). The course will provide students with theoretical, experiential, and practical applications of leadership; provide classroom training and discussion pertaining to basic leadership skills and abilities; and aid students in developing key leadership qualities. The course will focus on how leadership functions and how students will be better prepared to make a positive contribution within the campus community as well as in the workplace. Prerequisite: UNIV 1000 and/or consent of instructor.

## PHILOSOPHY (PHIL)

For Undergraduates Only

- 1010. INTRODUCTION TO PHILOSOPHY.** (3-3-0). Basic problems, arguments, and concepts of selected Western philosophers dealing with reality, knowledge, and moral values.

- 1020. WORLD RELIGIONS.** (3-3-0). Doctrines, philosophies, and rituals of Hinduism, Buddhism, Taoism, Confucianism, Shinto, Judaism, Christianity, and Islam.
- 2020. ETHICS.** (3-3-0). Comparison and contrast of leading ethical theories and their relation to practical morality.
- 2030. LOGIC.** (3-3-0). Standards of reasoning, inductive and deductive, which allow well-ordered schemes of knowledge in the various sciences.
- 4030. AESTHETICS.** (3-3-0). Philosophy of aesthetic experience; relation between integrity in self and in art; exploration of boundaries of art and science. Prerequisite: Three hours of philosophy or consent of instructor.
- 4060. BASIC PROBLEMS IN PHILOSOPHY.** (3-3-0). Directed study and research on special topics in philosophy; selected philosophers and areas of specialization in philosophy. Prerequisite: Six semester hours of philosophy.

## PHYSICS (PHYS)

For Undergraduates Only

- 2030. GENERAL PHYSICS I.** (3-3-0). Fundamental laws of mechanics, heat, and sound. Prerequisites: Registration in or credit for 2031; Mathematics 1090.
- 2031. GENERAL PHYSICS I LABORATORY.** (1-0-3). To supplement PHYS 2030. Prerequisite: registration in or credit for 2030.
- 2040. GENERAL PHYSICS II.** (3-3-0). Fundamental laws of electricity, magnetism, and optics; introductory atomic and nuclear physics. Prerequisites: Registration in or credit for 2041, 2030-2031.
- 2041. GENERAL PHYSICS II LABORATORY.** (1-0-3). To supplement PHYS 2040. Prerequisite: Registration in or credit for 2040.
- 2200. PRACTICUM FOR PHYSICS TEACHING.** (1 to 3-0-0). Supervised experiences in teaching the physics laboratory. Required for secondary education majors with physics as a primary or secondary teaching area and recommended for physics majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: Consent of department head.
- 2510. GENERAL ANALYTICAL PHYSICS I.** (3-3-0). Fundamental laws of mechanics, wave motion, heat and thermodynamics using differential and integral calculus. Prerequisites: Registration in or credit for 2511; Mathematics 2100.
- 2511. GENERAL ANALYTICAL PHYSICS I LABORATORY.** (1-0-3). To supplement PHYS 2510. Prerequisite: Registration in or credit for 2510.
- 2520. GENERAL ANALYTICAL PHYSICS II.** (3-3-0). Continuation of 2510. Electricity, magnetism, optics, atomic and nuclear physics. Prerequisites: Registration in or credit for 2521; 2510-2511.
- 2521. GENERAL ANALYTICAL PHYSICS II LABORATORY.** (1-0-3). To supplement PHYS 2520. Prerequisite: Registration or credit for 2520.
- 3010. ELECTROMAGNETISM AND NONLINEAR OPTICS.** (3-3-0). Electrostatics, magnetostatics, and classical electrodynamics in vacuum and matter. Investigate materials' nonlinear optical responses to light. Prerequisite: PHYS 2520.
- 3011. ELECTROMAGNETISM AND NONLINEAR OPTICS LABORATORY.** (1-0-3). To supplement PHYS 3010. Corequisite: PHYS 3010. Prerequisite: PHYS 2521.

- 3120. INTRODUCTION TO ASTROPHYSICS.** (3-3-0). Celestial mechanics, stellar structure, and galactic phenomena. Prerequisites: Two semesters of general physics and Mathematics 2100.
- 3291. COMPUTATIONAL CONDENSED MATTER.** (3-3-0). Applying the essentials of computation, calculation methods, density functional theory, molecular dynamics to tackle real-world challenges. Explore the electronic, vibrational, optic, and thermal properties of various materials, enhancing the proficiency in addressing practical applications. Prerequisite: PHYS 4100.
- 3400. MINICOMPUTER INTERFACING WITH SCIENTIFIC INSTRUMENTATION.** (3-3-0). Practical course dealing with the use of minicomputers in real-time data acquisition and control of scientific instruments. Prerequisite: A basic computer course or consent of instructor. (Same as Chemistry 3400.)
- 3510. NUMERICAL SIMULATIONS IN PHYSICS.** (3-3-0). Solving equations, interpolation to numerical differentiation, integration, and differential equations using Python. Explore optimization with machine learning and conclude with real-world applications, gaining a versatile toolkit for numerical problem-solving. Prerequisite: MATH 2100.
- 3710. THERMODYNAMICS AND STATISTICAL MECHANICS.** (3-3-0). Laws of thermodynamics, kinetic theory of gases, transport properties, elements of statistical mechanics. Prerequisites: 2520-2521; Mathematics 2110.
- 3900. SPECIAL TOPICS IN PHYSICS.** (1 to 3-1 to 3-0). In depth study of various upper-level elective topics in physics; in particular, those not included explicitly among the catalog listings. Prerequisites: Two semesters of general physics, Mathematics 2100 or consent of instructor.
- 4100. MODERN PHYSICS.** (3-3-0). Exploration of fundamentals of condensed matter physics, examining crystal structures, vibrations, energy bands, semiconductors, and superconductivity. Dive into the subatomic world of particle physics, and shift to astrophysics, unraveling the celestial phenomena that contribute to the cosmic landscape. Prerequisite: MATH 2100.
- 4510. MECHANICS.** (3-3-0). Newtonian mechanics, non-inertial frames, central potentials & orbits, Lagrangian dynamics, rigid body motion, Hamiltonian mechanics, and fluid mechanics. This course provides a deep understanding of classical and modern mechanics, from particle dynamics to fluid behavior. Prerequisite: PHYS 2510.
- 4520. QUANTUM MECHANICS IN PHYSICS.** (3-3-0). Highlight the fundamentals of quantum physics through an exploration of particle systems interacting with classical and electromagnetic fields. Delve deeper into advanced topics like teleportation and quantum cryptography, pushing boundaries to address the challenges of secure communication. Prerequisite: PHYS 4510.
- 4880. BIOMATERIALS IN HEALTHCARE: ENGINEERING AND MARKET.** (3-3-0). This course integrates materials science, engineering, biology, and medicine to develop innovative engineering materials. It focuses on cutting-edge biomaterials for healthcare applications, commercialization process, psychological aspects, and includes ethical, societal, and environmental considerations to enhance student skills and knowledge to advance materials research and bring innovations to market. Prerequisites: MATH 2010 or similar and MATH 2050 or similar.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Student must present a seminar on a topic in physics approved by the instructor. No more than 2 hours may count toward the baccalaureate degree.

- 4930. CAPSTONE COURSE FOR PHYSICS.** (3-3-0). This class is designed to provide students an opportunity to integrate and apply the knowledge and skills they have acquired during their undergraduate education through an individually-directed research project. The capstone experience will include background research, experimental design, and execution of the experiment. Accommodations to the above description may be granted upon permission of the department head. Prerequisite: senior standing.
- 4940. SCIENTIFIC COMMUNICATION.** (3-3-0). This class is designed to guide students through the process of scientific communication. Students will present their original research data from their capstone course through writing a scientific paper, creating a poster presentation, and/or giving an oral seminar. Students will also prepare professional communication materials, such as a cover letter and curriculum vitae. At the conclusion of the course, students will be required to submit a reflective writing piece about their capstone experience. Prerequisite: PHYS 4930.
- 4950. RESEARCH PROBLEMS.** (1 to 4-0-4). Individual research on problems not ordinarily included within the scope of regularly scheduled courses. Prerequisite: Consent of department head.

## POLITICAL SCIENCE (PSCI)

For Undergraduates Only

- 2010. GOVERNMENT OF THE UNITED STATES.** (3-3-0). Federal government in the U.S.; government machinery and present tendencies toward modification; political parties and party governments.
- 2020. STATE AND URBAN GOVERNMENT.** (3-3-0). State and urban government in the 50 states; southern and Louisiana government and politics.
- 2090. INTRODUCTION TO GLOBAL POLITICS.** (3-3-0). Survey of the fundamental concepts, theories, and research approaches in the study of international relations.
- 3040. UNITED STATES PRESIDENCY.** (3-3-0). A historical and institutional study of the U.S. Presidency, with emphases on elections, Constitutional authorities and limitations. Domestic and Foreign policies are examined throughout the semester as illustrative cases.
- 3050. UNITED STATES CONGRESS.** (3-3-0). Historical and institutional study of the U.S. Congress, with emphasis on elections and Congressional functions of representation, legislation, and oversight.
- 3060. PUBLIC ADMINISTRATION.** (3-3-0). Principles and processes of administering public policies; problems of personnel, finance, organization, extent of bureaucratic responsibility. Prerequisite: 2010.
- 3090. CONSTITUTIONAL LAW.** (3-3-0). Major Supreme Court decisions interpreting the U.S. Constitution. Prerequisite: 2010.
- 4000. MOCK TRIAL.** (3-3-0). Students will acquire real-world trial techniques while preparing for demonstrative or competitive mock trials. Includes trial preparation, application of the law to facts, development of effective argument, examination and cross-examination of witnesses, preparation of exhibits, evidentiary objections, and trial procedure.
- 4010. PARLIAMENTARY GOVERNMENT.** (3-3-0). Principal examples of parliamentary government.
- 4060. INTERNATIONAL LAW.** (3-3-0). Theories and contemporary issues pertaining to international law.
- 4070. INTERNATIONAL ORGANIZATIONS.** (3-3-0). Theories, concepts, and contemporary issues pertaining to international organizations.
- 4080. AMERICAN FOREIGN POLICY.** (3-3-0). Historical and institutional study of post-World War II American Foreign Policy; issues of post-Cold War era.

- 4090. INTERNATIONAL RELATIONS.** (3-3-0). Major theories on international relations; post-World War II and current periods.
- 4150. POLITICAL THEORY.** (3-3-0). Principal developments in political theory from antiquity to the present. Prerequisites: Junior standing or consent of instructor.
- 4160. SPECIAL PROBLEMS IN POLITICAL SCIENCE.** (3-3-0). This independent study course provides students with the opportunity to explore specialized topics within a subfield of Political Science such as U.S. Politics, International Politics, and Comparative Politics through guided and self-directed research and study. Students will work closely with a faculty advisor to develop understanding of a particular area of interest, conduct in-depth research, and produce work as assigned throughout the semester leading to a final research product. Prerequisites: PSCI 2010 and permission of the instructor.
- 4390. GLOBALIZATION.** (3-3-0). Technological changes have made it possible to create a world that is increasingly interconnected and aware. This phenomenon has had a multitude of effects on the ideas of sovereignty, nation, state borders, and security. This class will explore those effects and the changing role of state and non-state actors in global security.

## PRE-LAW AND PARALEGAL STUDIES (PLPS)

For Undergraduates Only

- 3010. INTRODUCTION TO LAW.** (3-3-0). Development of common and civil law traditions in the U.S.; trends in the legal profession; role of the attorney and paralegal in legal environments.
- 3015. STANDING UP FOR EQUITY AND DIVERSITY.** (3-3-0). An introduction to techniques for successfully promoting for equity and diversity in a variety of social contexts, focused on the workplace, and on relevant civil rights and anti-discrimination law. Prerequisite: SOC 1015 or ANTH 1015.
- 3025. PERSONAL INJURY AND TORT LAW.** (3-3-0). An introduction to the law of personal injury and torts, with an emphasis on practical litigation and risk mitigation skills and knowledge. Covers the intentional torts, negligence, strict liability/products liability, defamation and slander, malpractice, and business torts.
- 3030. LITIGATION.** (3-3-0). Differences in civil and criminal litigation; preparation and examination of forms and documents relating to litigation; responsibilities and ethics for attorneys and paralegals.
- 3040. ESTATES, TRUSTS, WILLS.** (3-3-0). Study of estate planning tools; preparation of legal documents; responsibilities, ethics, and restrictions for attorneys and paralegals; hearing and trial preparation associated with planning estates and other related matters.
- 3050. CORPORATIONS.** (3-3-0). Preparation of initial and amended articles of incorporation and other documents and transactions pertaining to corporations.
- 3055. CONTRACT LAW.** (3-3-0). This course will examine essential contract law principles from common law and civil law regimes. Students will conduct legal research, draft simple contracts, and consider how simple contracts might be analyzed in the course of litigation.
- 3060. REAL ESTATE AND MORTGAGES.** (3-3-0). Preparation and information regarding basic real estate transfers and associated documents; title searches, preparation of preliminary abstracts of titles, and other legal documents; responsibilities of the attorney and paralegal.
- 3070. FAMILY RELATIONS LAW.** (3-3-0). Preparation of documents, knowledge of procedures and other matters related to domestic relations law.
- 3080. LAW OFFICE ADMINISTRATION.** (3-3-0). Approaches to the organization and efficient operation of the law office; responsibilities of the attorney and the paralegal.



- 3120. GENDER AND LAW.** (3-3-0). A survey of U.S. law related to gender including the histories of major developments and changes and theories from both legal and anthropological perspectives.
- 4020. LEGAL RESEARCH AND WRITING I.** (3-3-0). Introduction to and overview of legal research processes, including methods and structures; as well as the forms, structuring, and conventions of legal writing. First of two legal research and writing courses. Prerequisite: Sophomore status. Strong computer skills and excellent communication and writing skills are essential requirements for success in this program.
- 4090. LEGAL RESEARCH AND WRITING II.** (3-3-0). Continuing study of legal research processes, including methods and structures; as well as the forms, structuring, and conventions of legal writing. Second of two legal research and writing courses. Prerequisite: Sophomore status; PLPS 4020. Strong computer skills and excellent communication and writing skills are essential requirements for success in this program.
- 4110. SPECIAL PROBLEMS.** (3-3-0). Directed individual study of a problem related to the field of law. Prerequisite: Senior standing; scheduled by arrangement with instructor only.
- 4400. MOCK TRIAL** (3-3-0). Students will acquire real-world trial techniques while preparing for demonstrative or competitive mock trials. Includes trial preparation, application of the law to facts, development of effective argument, examination and cross-examination of witnesses, preparation of exhibits, evidentiary objections, and trial procedure.

## PSYCHOLOGY (PSYC)

For Undergraduates Only

- 1010. GENERAL PSYCHOLOGY.** (3-3-0). Principles of psychology; human behavior; shaping of behavior and personality by interaction between individual and environment.
- 2040. PSYCHOLOGY AS A PROFESSION.** (3-3-0). This course focuses on assisting psychology majors with their career planning and professional development issues. Students will be provided information designed to assist in the clarification, selection, and pursuit of academic and career goals in psychology or a related field. Topics will include an overview of the undergraduate curriculum in psychology, career options in psychology, preparation for employment with a bachelor's degree and graduate school, and applying for a job or to a graduate school. Prerequisite: 1010.
- 2050. DEVELOPMENTAL PSYCHOLOGY.** (3-3-0). Physical, mental, social and emotional development of the individual; understanding human dynamics with respect to self and others.
- 2250. PSYCHOLOGY OF GENDER.** (3-3-0). Surveys the psychological and social impact of sex differences, sex roles, and development of gender identity on behavior. Historical antecedents of gender differences, development of gender identity, and sex differences in performance, attribution, achievement, cognition, interpersonal behavior, psychopathology, and therapy response will be examined. Prerequisite: 1010 or 2050.
- 2430. INTRODUCTION TO EXPERIMENTAL METHODOLOGY.** (3-3-0). Introduction to basic experimental principles and methods of research design in psychology. Report writing in APA style and format. Prerequisite: 1010.
- 2450. PERSONAL ADJUSTMENT AND DEVELOPMENT.** (3-3-0). Understanding and dealing with frustration, adjustment mechanisms, personal motivation, feelings and emotions; interpersonal adjustments; identifying and resolving common problems of conflict and adjustment in stages of life; self-understanding, self-acceptance, and maximum utilization of personal capacities and traits.
- 3010. PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Functional organic and biochemical factors as determinants of personality and behavior; emphasis on the nervous and endocrine systems. Prerequisite: 12 hours of psychology courses, including PSYC 2430.
- 3020. EXPERIMENTAL PSYCHOLOGY: LEARNING.** (3-3-0). Principles and basic experimental techniques in the study of human and animal learning. Experiments and report writing in APA style and format. Prerequisites: 1010, 2430.
- 3030. EDUCATIONAL AND CAREER PLANNING IN PSYCHOLOGY AND ADDICTION STUDIES.** (3-3-0). This course is designed to enhance students' professional and academic skills by preparing them for post-graduate employment and graduate school programs. Prerequisite: PSYC 1010 and PSYC 2040.
- 3050. MULTICULTURAL COUNSELING.** (3-3-0). This course prepares students to develop competence in understanding the various cultural and social factors that influence the mental health of individuals from different backgrounds and to incorporate this understanding into practice. Prerequisite: PSYC 1010.
- 3060. SOCIAL PSYCHOLOGY.** (3-3-0). Individual in relationship to others; nature and development of personality; social behavior and adjustment. Experiments and report writing in APA style and format.
- 3070. HEALTH PSYCHOLOGY.** (3-3-0). Explore the psychological, behavioral, physiological, and cultural factors that influence individual responses to health and illness. This course will include theories of healthy behavior and prevention strategies related to health and wellness.
- 3080. EXPERIMENTAL PSYCHOLOGY: MOTIVATION.** (3-3-0). Basic experimental techniques in the study of human and animal motivation. Experiments and report writing in APA style and format. Prerequisites: 1010, 2430.
- 3200. POSITIVE PSYCHOLOGY.** (3-3-0). Positive Psychology explores the scientific study of human strengths and virtues. This course will examine human behavior that is effective, valuable, and positively contributes to human development and well-being.
- 4020. APPLIED SKILLS AND BEHAVIOR MODIFICATION.** (3-3-0). Introduction into the theory and practice of behavior modification and helping skills. Material will focus on the development of effective helping and interpersonal skills for interactions with clients as well as behavior modification theories, techniques, and applications. Prerequisite: PSYC 3020 and 4450.
- 4040. CHILDHOOD DISORDERS.** (3-3-0). Empirical survey of theoretical, treatment, and research issues in child psychopathology using the DSM classification system. Explores history, ethics, developmental factors, characteristics, causes, and treatment of childhood psychological disorders. Prerequisite: 1010, 2050, and 4050.
- 4400. STATISTICS FOR BEHAVIORAL SCIENCES.** (3-3-0). Statistical procedures employed in the description and interpretation of psychological, educational, and behavioral research data and measurement. Prerequisites: MATH 1020 or 1035, and MATH 1060 or 1090 or 2010 or 2050.
- 4410. PSYCHOLOGICAL TESTING AND MEASUREMENTS.** (3-3-0). Characteristics, interpretations, uses and misuses of standardized psychological tests; examples of each variety; development and use of objective tests, essay tests, rating scales, attitude scales. Prerequisite: 2430 and 4400.
- 4440. HISTORY OF PSYCHOLOGY.** (3-3-0). The roots of modern psychological thought, from its origins in philosophy and the natural sciences through the refinement of psychology in its current form. Emphasis will be on the personal experiences of the founders of the major schools of psychology (e.g. psychodynamic, humanistic, behavioral, etc.), and the cultural forces that shaped their theories. Prerequisite: 12 hours of psychology. Note: this course is a prerequisite for PSYC 4470.

- 4450. ABNORMAL PSYCHOLOGY.** (3-3-0). Nature and etiology of common deviant mental and emotional conditions; potentials for rehabilitation, readjustment, and learning. Prerequisite: 12 hours of psychology for majors; consent of head of department for non-majors.
- 4470. THEORIES OF PERSONALITY.** (3-3-0). Explores major approaches to personality theory, including psychodynamic, humanistic, behavioral, and cognitive systems. Provides an introduction to study of personality in the context of the classical, and more recent, theories that have shaped modern psychology. Prerequisite: 12 hours of psychology including the completion of PSYC 4440.
- 4490. SENIOR RESEARCH SEMINAR.** (3-3-0). This is the capstone experience required for senior psychology majors. Students will analyze data using SPSS, will write an APA style Introduction, Methods, Results, and Discussion Section of a senior thesis research project. Prerequisites include PSYC 2430 and graduating senior status.
- 4500. PSYCHOLOGY IN BUSINESS AND INDUSTRY.** (3-3-0). Psychological foundations of practices, procedures, and conditions in business and industry; psychological implications of work in relation to personality and culture.
- 4510. ETHICS IN PSYCHOLOGY.** (3-3-0). Ethical decision making in the practice of psychology. Focus will be given to the Ethical Principles and Standards of the American Psychological Association and application of these principles in solving ethical dilemmas.
- 4600. FIELD EXPERIENCE IN THE MENTAL HEALTH AGENCY.** (3-3-0). Nine to 12 hours per week working in a mental health facility. Prerequisites: Senior standing; 24 hours in psychology, including 4450 or 4470, consent of instructor.
- 4650. SEMINAR IN CURRENT TOPICS IN PSYCHOLOGY.** (1 to 3-0-0). Seminar in a selected, current topic. Topic will vary from semester to semester. Hour value will vary from semester to semester between 1 to 3 credits depending on topic. Students will present a well researched paper in the specific topic. Course may be taken a maximum of three times for credit. Prerequisite: Senior standing or consent of instructor.
- 4700. SEMINAR IN ADDICTIONS.** (3-3-0). Current scientific information, materials, and techniques for dealing with alcoholism. Prerequisite: 4450, 12 hours in psychology.
- 4830. ADVANCED GENERAL PSYCHOLOGY.** (3-3-0). This is the capstone course for undergraduate psychology majors. This course will require graduating senior psychology majors to review and apply course content from the required psychology curriculum as well as successfully complete the Departmental Exit Exam. Prerequisite: Senior psychology majors only.
- 4900. PSYCHOLOGY AND FILM.** (3-3-0). An exploration of the interaction between popular films and psychology, specifically, the nature of common deviant mental and emotional conditions as viewed through the camera lens. Prerequisite: six hours of psychology courses.

For Graduates Only

- 5100. PSYCHOLOGICAL RESEARCH: STATISTICS.** (3-3-0). Descriptive methods, statistical inference, correlation, multiple correlation, simple and multiple regression analysis, sampling distributions, analysis of variance and covariance, and nonparametric methods. Prerequisite: 4400.
- 5120. PSYCHOLOGICAL RESEARCH: DESIGN.** (3-3-0). Theory and application of experimental design in psychological research; design strategies in relation to hypotheses and statistical procedures. Prerequisites: 5100 or demonstrated competency.
- 5130. PSYCHOLOGICAL RESEARCH: ADVANCED APPLICATION.** (3-3-0). The major assignment for this course is to develop and submit a thesis proposal. This course is designed to synthesize the knowledge and skills developed in previous research courses and apply them to the graduate thesis process. Students will learn about all aspects of the process, as well as the standards and expectations of developing and completing the thesis. Prerequisites: 5100 and 5120, or consent of instructor.
- 5200. THEORIES OF PSYCHOTHERAPY.** (3-3-0). A comparative introduction to the theories, techniques, and outcomes of major approaches to psychotherapy. Prerequisite: 4450 or 4470, or consent of instructor.
- 5240. INTRODUCTION TO CLINICAL PSYCHOLOGY.** (3-3-0). This course provides an orientation to the professional practice and science of clinical psychology. Prerequisite: Graduate standing.
- 5250. PSYCHOLOGICAL INTERVENTION AND THERAPY.** (3-3-0). An experiential-didactic course that teaches the skills, strategies, and self-awareness necessary to provide basic helping interventions. The course involves specification of helping skills and strategies and their conceptual bases, as well as demonstration, practice, and feedback of helping interventions. Particular foci will include the nature of the therapist-patient relationship, current research findings on the process and outcome of psychotherapy, and ethical issues.
- 5260. PRACTICUM I: PSYCHOTHERAPY AND INTERVENTION.** (3-3-0). Supervised psychotherapy experience with the remediation of problematic behavior, interviewing, therapy, consultation and measurement of therapeutic outcome. Prerequisite: PSYC 5200, 5250, 5750, and 6000, or approval of the Director of Clinical Training. Must be completed with a grade of "B" or better in order to apply toward the Clinical Psychology degree.
- 5270. CLINICAL PSYCHOLOGY INTERNSHIP.** (6-0-6). Clinical students will complete 300-hours of field training in a range of mental health settings, including state-operated mental health facilities, community mental health centers, psychiatric units of private hospitals, and university-based student counseling centers. These practicum experiences will help students learn to apply classroom knowledge to the real-world service needs of the public. Prerequisites: 5200, 5250, 5260, 5300, 5320, and 5750 with at least a grade of "B" or with approval of the Director of Clinical Training. Must be completed with a grade of "B" or better in order to apply toward the Clinical Psychology Degree.
- 5300. INTELLECTUAL ASSESSMENT.** (3-3-0). Administration, scoring, and interpretation of standardized psychometric instruments in evaluating individual intellectual functioning. Prerequisite: 4410 or Counseling and Guidance 5520, consent of instructor.
- 5320. PERSONALITY ASSESSMENT.** (3-3-0). Theory, rationale, and administration of objective personality assessment instruments for adults and adolescents. Prerequisites: 5750, 5300, or approval of the Director of Clinical Training.
- 5400. GROUP AND FAMILY PSYCHOTHERAPY.** (3-3-0). Overview of the major theoretical and practical issues in group and family psychotherapy as they relate to the clinical setting. Development of basic skills in small group facilitation and strategies for family assessment and intervention.
- 5450. LEARNING AND COGNITION.** (3-3-0). This course is designed to provide general theoretical and practical knowledge in the foundational areas of both cognitive and behavioral psychotherapies. Prerequisite: Graduate standing.

- 5490. INDEPENDENT STUDY.** (1 to 3-0-0). May be repeated up to six hours. Only three hours may be counted toward degree credit in community and school psychology. May not be counted toward degrees requiring thesis. Prerequisite: 5100.
- 5500. PRACTICUM III: PSYCHOLOGICAL INTERVENTION AND THERAPY.** (3 to 6-0-0). Optional practicum experience for students to obtain 150 to 300 additional hours of direct experience in an approved mental health setting under the supervision of a licensed psychologist. Experience will include application of appropriate intervention techniques, assessment tools and techniques, and management of clinical cases. Prerequisites: 5260 and 5270 with at least a grade of B or better and the approval of the Director of Clinical Training.
- 5750. PSYCHOPATHOLOGY.** (3-3-0). Etiology, classification, and research methods relating to abnormal human behavior. Special emphasis in the course is placed on the use and practical limitations of the current diagnostic system. Prerequisite: 4450 or 4470.
- 5780. PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Examination of the biological basis of behavior, with emphasis on underlying neural mechanisms. Surveys neuroanatomy, neurophysiology, and investigates how the nervous system produces various types of behavior. Prerequisite: 3010 or consent of instructor.
- 5781. ADVANCED PHYSIOLOGICAL PSYCHOLOGY LABORATORY.** (1-0-2). Laboratory to accompany PSYC 5780. Provides experience in the experimental analysis of nervous system process including action potential generation and propagation, synaptic transmission, and integration of synaptic information. Also covers neuroanatomy, including microanatomy of the nervous system and gross structure of mammalian brains, including human. Corequisite or prerequisite: PSYC 5780.
- 5830. EVOLUTIONARY PSYCHOLOGY.** (3-3-0). A critical review of ethologic and sociobiological basis of evolutionary psychology. Special emphasis on the theoretical basis for the evolution and maintenance of recombination and the empirical evidence for the evolutionary advantages of various mating systems.
- 5950. PSYCHOLOGICAL RESEARCH.** (3-3-0). Design, organization, and implementation of a research project under the direction of the student's major professor. Written paper that is proposal ready and evaluated are required. Prerequisites: PSYC 5100 and 5120.
- 5980. THESIS.** (3 to 6-0-0).
- 6000. ETHICS AND PROFESSIONAL CONDUCT.** (3-3-0). Exploration of appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a psychologist, including therapy, diagnostics, assessment, research, and teaching. Course will include familiarization with ethical principles and code of conduct as well as some understanding of applicable Louisiana law.
- 6870. SEMINAR IN ADDICTION.** (3-3-0). This course provides an overview of contemporary scientific information, materials, and techniques for dealing with the culture of addiction (i.e., use, abuse, and dependency). Emphasis will focus on the culture of addiction and recovery by providing an in-depth understanding of screening, intake, orientation, assessment, diagnostic impression, treatment planning, case management, and intervention. Prerequisites: Bachelor's degree in a Human Related Field and instructor's permission.

## RADIOLOGIC SCIENCES (RADS)

For Undergraduates Only

- 3300. RADIOGRAPHIC PRINCIPLES.** (3-3-0). Application of the principles of physics to radiography and radiologic equipment. Interactions of x-rays with matter, production of x-rays, electricity, magnetism, electromagnetism, equipment maintenance and operation. Introduction to advanced radiographic equipment. Prerequisite: RADS 3310 and 3320, Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 3811 and RADS 3820.
- 3310. RADIOGRAPHIC PROCEDURES I.** (4-3-3). Instruction in positioning nomenclature, anatomy, and physiology, radiographic positioning, and technical factors involving the upper limb, lower limb, chest, abdomen, bony thorax, shoulder girdle, and pelvic girdle. Radiographs will be presented and critiqued for image quality. Prerequisite: Successful completion of the first three semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: ALHE 2500 and RADS 3320.
- 3311. CLINICAL RADIOGRAPHY I.** (3-0-15). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis on professionalism, dependability, and radiographic examinations presented in RADS 3310. Prerequisites: Successful completion of the first four semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health.
- 3320. PATIENT CARE AND PHARMACOLOGY METHODS.** (3-2-3). Management of medical and surgical asepsis, patient assessment, patient history documentation, trauma, shock, urinary catheterization, venipuncture, patient transfer, and care of patients with medical equipment. The use of contrast media and drugs in the management of radiologic procedures will be discussed. Prerequisite: Successful completion of the first three semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: ALHE 2500 and RADS 3310.
- 3811. CLINICAL RADIOGRAPHY II.** (3-0-15). Students will be supervised in a clinical education setting to perform essential radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice. Prerequisites: Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 3300 and RADS 3820.
- 3820. RADIOGRAPHIC PROCEDURES II.** (4-3-3). Instruction in positioning nomenclature, anatomy and physiology, radiographic positioning, and technical factors involving the digestive tract, urinary tract, vertebral column, skull, facial bones, and sinuses. Radiographs will be presented and critiqued for image quality. Prerequisite: Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 3300 and RADS 3811.
- 3830. RADIOGRAPHIC EQUIPMENT AND OPERATION.** (3-3-0). Components of digital imaging systems. Radiographic exposure principles involved in radiographic quality. Exposure factors affecting brightness, contrast, and distortion. Prerequisite: Successful completion of the first six semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 3911 and RADS 3920.
- 3910. SECTIONAL ANATOMY.** (3-3-0). Presentation of human anatomy and pathology through the use of computed tomography, ultrasound and magnetic resonance images. Prerequisite: Successful completion of the first seven semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: RADS 4511.
- 3911. CLINICAL RADIOGRAPHY III.** (5-0-25). Students will be supervised in a clinical education setting to perform essential radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice and routine radiographic procedures. Prerequisite: Successful completion of the first six semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: RADS 3830.

- 3920. RADIOGRAPHIC PATHOLOGY.** (3-3-0). Pathology terminology, disease processes, and classifications. Pathology of various systems and its impact on radiographic technique. Prerequisite: Successful completion of the first six semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 3911 and RADS 3830.
- 4510. PROFESSIONAL IMAGING PRACTICES.** (2-2-0). Advanced instruction in positioning nomenclature, radiographic pathology, anatomy and physiology. Critique in evaluation of radiographic images to determine underlying causes of poor image quality. Students will use research and critical thinking skills related to topics in the radiologic sciences. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 4530 and RADS 4611.
- 4511. CLINICAL RADIOGRAPHY IV.** (4-0-20). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Prerequisite: Successful completion of the first seven semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: Credit or registration in RADS 3910.
- 4530. SAFETY.** (2-2-0). Examines the interactions of radiation with matter; biologic effects of ionizing radiation; quantities and units; dose response curves, patient and personnel protection. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 4510 and RADS 4611.
- 4611. CLINICAL RADIOGRAPHY V.** (5-0-25). Students will be supervised in a clinical education setting to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on advanced clinical practice and the ability to adapt to various clinical situations. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: RADS 4510 and RADS 4530.
- 4620. ADVANCED PRACTICES IN RADIOGRAPHY.** (3-3-0). Overview of radiologic technology with an emphasis on integration and application of theory acquired in previous classes. Understanding medical law and ethics, types of law, state and federal regulations, health care professional liability, legal obligations, and patient rights. Explores current professional issues in radiologic science. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and School of Allied Health.
- 4711. CLINICAL RADIOGRAPHY VI.** (4-0-20). Students will be supervised in a clinical education setting to gain knowledge and experience in selected specialties, including but not limited to surgery, Computed Tomography, Magnetic Resonance Imaging, Mammography, Special Procedures, and Heart Catheterization. Emphasis will be placed on advanced clinical modalities. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: Credit or registration in RADS 4620 and ALHE 4630.

For Graduates Only

- 5020. CURRENT ISSUES IN RADIOLOGIC SCIENCES.** (3-3-0). This course will examine recent practice and healthcare issues affecting the Radiologic Sciences. Topics will provide a basis for understanding current practice in Radiologic Sciences.
- 5210. CURRICULUM DEVELOPMENT & TEACHING METHODS IN RADIOLOGIC SCIENCES.** (3-3-0). Explore the nature of higher education, radiologic science education and the faculty role. This course will discuss curriculum design, its dimensions, objectives, and dynamics; the instructional process, including the learner, theories of learning and their application to radiologic science education, concept formation, and teaching-learning activities.
- 5220. ASSESSMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will provide assessment techniques for both didactic and clinical settings in Radiologic Sciences. Topics may include: test construction, rubrics, instrument design, clinical evaluation, and formative and summative evaluation techniques.
- 5230. RADIOLOGIC SCIENCES STUDENT MANAGEMENT.** (3-3-0). This course will provide a discussion of issues in the radiologic sciences education setting. Topics may include: advisement, counseling, records management, affiliation agreements, and disciplinary procedures.
- 5310. OPERATIONS AND RESOURCE MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will examine the administrative role in radiologic sciences within health care settings. Students will explore personnel management, risk management, evaluation methods, policies and procedures, and hiring practices.
- 5320. FISCAL MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will explore financial management within the radiologic sciences. Students will analyze and evaluate fiscal information to develop effective strategies for managing the financial resources in radiologic sciences and healthcare.
- 5330. INFORMATION MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will investigate proper techniques to manage and process information in the health care setting to support clinical practice and administration within the radiologic sciences.
- 5510. EDUCATION EVIDENCE BASED PRACTICE.** (3-0-6). This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence-based practice and projects applicable to radiologic sciences education.
- 5530. ADMINISTRATION EVIDENCE BASED PRACTICE.** (3-3-0). This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence based practice and projects applicable to radiologic sciences administration.

## READING (RDG)

For Undergraduates Only

- 3030. INTRODUCTION TO LITERACY THEORY AND PRACTICE.** (3-3-0). A foundation in theories, processes, and instructional approaches for literacy instruction. Includes field experience component.
- 3040. DIAGNOSIS AND CORRECTION OF LITERACY DIFFICULTIES IN THE ELEMENTARY CLASSROOM.** (3-3-0). Instruction in and application of diagnosis and instructional planning for literacy difficulties in the elementary classroom. Approaches and strategies, current perspectives on reading and writing, and the use and development of assessment instruments for the elementary classroom are also included in this course. Includes field experience component. Prerequisites: Admission to candidacy in teacher education; RDG 3030.

**3060. RESEARCH-VALIDATED LITERACY METHODS, INTERVENTIONS AND APPLICATIONS.** (3-3-2). Advanced knowledge of developmental aspects of literacy in the elementary grades: content, materials, methods, and techniques used in teaching literacy in the elementary school. Includes field experience component. Prerequisite: RDG 3030 and admission to candidacy for a degree in teacher education.

**3080. DYSLEXIA, LITERACY, AND THE SCIENCE OF READING: RESEARCH-VALIDATED INTERVENTIONS AND APPLICATIONS.** (3-3-1). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Developmental program of reading in the primary and upper elementary grades: content, materials, methods, and techniques used in teaching reading in the elementary school. Includes field experience component. Prerequisite: RDG 3030, admission to candidacy for a degree in teacher education.

**4050. DYSLEXIA, LITERACY, AND THE SCIENCE OF READING IN THE CONTENT AREAS.** (3-3-1). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Addresses content area literacy; including literacy and language processing, subject matter standards and benchmarks, comprehension, vocabulary and study skills in the content classroom. Other topics are assessment of student progress in performance terms, rubrics, writing across the curriculum, addresses the needs of a diverse and multi-cultural student population, use of technology, evaluation of instructional materials, learning styles, and instructional strategies. Field experience component included. Prerequisite: Admission to candidacy in teacher education.

**4080. TEACHING READING IN THE CONTENT AREAS.** (3-3-1). Address content area literacy; including literacy and language processing, subject matter standards and benchmarks, comprehension, vocabulary and study skills in the content classroom. Other topics are assessment of student progress in performance terms, rubrics, writing across the curriculum, address the needs of diverse and multi-cultural student population, use of technology, evaluation of instructional materials, learning styles, and instructional strategies. Field experience component included. Prerequisite: Admission to candidacy in secondary and K-12 certification areas.

**4610. READING IN EARLY CHILDHOOD.** (3-3-0). Instructional techniques and materials for development of basic reading and other language arts skills in the early childhood years, with special attention to research in and development of language skills. Prerequisites: 3030, 3060 (for undergraduate credit); undergraduate or graduate reading coursework and consent of instructor (for graduate credit).

For Graduates Only

**5010. FOUNDATIONS OF LITERACY INSTRUCTION.** (3-3-0). Addresses the reading process, basic theory of word identification, vocabulary, comprehension, basal reader materials and the content, materials, methods, and techniques of teaching reading. Prerequisite: Admission to Alternative Post-Baccalaureate Certification Program.

**5020. EARLY CHILDHOOD/PRIMARY READING INSTRUCTION (PK-3).** (3-3-0). Explores developmentally appropriate strategies and materials for facilitating early literacy development. Candidates learn how to promote listening, speaking, reading, and writing skills related to State standards for children from birth to age eight. Field experience required.

**5030. DYSLEXIA, LITERACY, AND THE SCIENCE OF READING: FOUNDATIONS OF LITERACY INSTRUCTION.** (3-3-1). Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Addresses the reading process, basic theory of word identification, vocabulary, comprehension, basal reader materials and the content. materials, methods and techniques of teaching reading include differentiated instruction and technology. Prerequisite: Admission to Alternative Post-Baccalaureate Certification Program.

**5060. DYSLEXIA AND THE SCIENCE OF READING: READING STRATEGIES FOR TEACHING CONTENT.** (3-3-1). Addresses content area literacy, including literacy and language processing, subject matter standards and benchmarks, comprehension, vocabulary, and study skills in the content classroom. Other topics include assessment of student progress in performance terms, rubrics, writing across the curriculum, addressing the needs of diverse and multi-cultural student populations, use of technology, evaluation of instructional materials, learning styles, and instructional strategies. Guidance on identification, evaluation, and educational supports for students with characteristics of dyslexia. Field experience included. Prerequisite: Admission to candidacy in teacher education.

**5110. LITERACY INSTRUCTION IN THE ELEMENTARY SCHOOL.** (3-3-0). Methods and materials in teaching literacy from the reading readiness stage through reading in the content areas in upper elementary grades. Prerequisite: An undergraduate methods course in reading or RDG 5010.

**5150. READING STRATEGIES FOR TEACHING IN CONTENT SUBJECTS.** (3-3-0). Planning, implementing and evaluating instruction in content subjects to overcome student reading deficiencies and to improve student reading and learning performance. Prerequisite: Admission to Alternative Post-Baccalaureate Certification Program.

**5210. READING AND LITERACY INSTRUCTION IN THE ELEMENTARY SCHOOL.** (3-3-0). Methods and materials in teaching reading from readiness stage through reading in the content areas in the elementary school. Emphasis is on the six components of a balanced literacy program. Prerequisite: Teacher certification.

**5250. ADVANCED READING INSTRUCTION ACROSS CONTENT AREAS.** (3-3-0). Planning, implementing and evaluating reading instruction in all content subjects to increase student reading comprehension and learning achievement. Prerequisite: Teacher certification.

**5510. DIAGNOSIS AND CORRECTION OF READING DISABILITIES.** (3-3-0). Causation in reading disabilities; laboratory experience with diagnosis instruments and procedures for corrective instruction in reading. Prerequisite: 5010 and 5110.

**5710. ADVANCED DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES.** (3-3-0). Causation in reading difficulties; laboratory experience with advanced diagnostic instruments and procedures for corrective instruction in reading. Prerequisite: 5210.

**6440. SEMINAR IN READING.** (1 to 6-3-0). Research in reading with opportunities for individual investigation of special problems.

**6510. LABORATORY PRACTICUM IN READING.** (3-0-3). Supervised laboratory experience with individual and small groups of students; case conferences. Prerequisite: 5710 and consent of instructor.

## REMOTE SYSTEMS SCIENCE AND TECHNOLOGY (RSST)

For Undergraduates Only

- 2010. INTRODUCTION TO REMOTE SYSTEMS SCIENCE AND TECHNOLOGY.** (3-2-1). Overview of remote systems technology. This course will cover small unmanned aerial systems (sUAS), remote operated vehicles (ROV), and other remote operated technology. Emphasis will be placed on emerging workforce needs and practical applications of remotely operated technology.
- 3010. REMOTE SYSTEMS OPERATIONS, LAW AND POLICY.** (2-2-0). This course will cover the laws, regulations and policies governing small unmanned aircraft (sUAS) operation and prepare students for the FAA part 107 Remote Pilot Certification Exam. Content will include flight operations, interpreting aeronautical sectional charts, weather, aeronautical communications, aeronautical decision making (ADM), risk management, airspace classification, and sUAS maintenance.
- 4010. ADVANCED REMOTE SYSTEMS SCIENCE AND TECHNOLOGY.** (3-2-1). This course will instruct students in advanced operations of various remotely operated systems. Course content will include the scientific theory behind various sensor platforms, advanced mission planning, introduction to data analytics and rendering. Students will be introduced to industry leaders currently using remote systems technology and will learn how remote systems technology is integrated into the modern workflow.

## SCHOLARS' ART (SART)

- 3820. ROME: URBS AETERNA.** (3-1-4). Examination of the art and culture of Rome, from its beginnings to Mussolini's attempted resurgence. Includes a two-week stay in Rome, readings and research before departure, and completion of a research paper upon return.
- 3890. DIRECTED STUDY IN ART HISTORY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

## SCHOLARS' BIOLOGY (SBIO)

- 1830. HONORS BIOLOGY I.** (3-3-0). An introduction to biological science focusing on molecular aspects of living systems. Topics include the basic principles of biological chemistry; cellular structure, metabolism, and division; and the basic principles of transmission and molecular genetics. Prerequisite: Registration in or credit for SBIO 1831.
- 1831. HONORS BIOLOGY LABORATORY I.** (1-0-3). Experiments in the life sciences to accompany 1830.
- 1850. HONORS BIOLOGY II.** (3-3-0). Continuation of an introduction to biological science focusing on evolutionary, environmental, and organismal aspects of living systems. Topics include evolutionary genetics, biological diversity, and the basic principles of physiology. Prerequisites: SBIO 1830 and registration in or credit for SBIO 1851.
- 1851. HONORS BIOLOGY LABORATORY II.** (1-0-3). Experiments in the life sciences to accompany 1850.
- 3810. FORM AND FUNCTION IN BIOLOGICAL SYSTEMS.** (3-3-0). Seminar on relationships between anatomical structure, physiology, and adaptation in living organisms, including plants, invertebrates, and vertebrates. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisite: two semesters of biological science or consent of instructor.

- 3820. COMPARATIVE NEUROBIOLOGY.** (3-3-0). Survey of basic neurophysiology, comparative and vertebrate functional neuroanatomy, neural development, and the neural basis of behavior. Prerequisite: two semesters of general biology or consent of instructor.
- 3821. COMPARATIVE NEUROBIOLOGY LABORATORY.** (1-0-2). Laboratory to accompany SBIO 3820. Corequisite: SBIO 3820.
- 3830. BIOINFORMATICS.** (3-3-0). An exploration of the databases, high throughput technologies, and methods used when generating, mining, processing, managing, visualizing, and analyzing genomic data. Emphasis is placed on practical considerations associated with appropriate use of the methods covered in the course. Prerequisite: BIOL 2240 or BIOL 3270 and joint enrollment in the associated lab course, SBIO 3831.
- 3831. BIOINFORMATICS LABORATORY.** (1-0-3). Hands-on computer-based exercises designed to familiarize students with the software and web-based databases, visualization, and analytical tools discussed in SBIO 3830. Emphasis is placed on practical considerations associated with appropriate use of the tools covered in the course. Prerequisite: BIOL 2240 or BIOL 3270 and joint enrollment in the associated lecture course, SBIO 3830.
- 3870. SEMINAR IN BIOMEDICINE.** (1-1-0). A discussion of a current topic of interest in the interface between medicine and biology. This course is designed for students considering a career in a medical field who wish to be informed on progress in research and clinical practices. May be repeated as topics vary. Prerequisite: One semester of General Biology, SBIO 1830 or BIOL 1010, or consent of instructor.

Subtitles:

01-Cancer Biology and Medicine – Readings and discussion of recent advances on mechanisms of cancer and their implications for clinical practice.

02-The Future of the Brain – An examination of progress in the neurosciences, including the effects this progress may have on both the treatment of mental disorders and potential expansion of human intellectual ability.

03-Biomedical Ethics – An examination of issues in clinical medicine and biomedical research that present ethical dilemmas, including multiple sides of the controversies and means to resolve them. A sample of general topics includes: medical decision making, end-of-life dilemmas, choices in reproduction, medical profession integrity, biotechnology, access to health care.

04-Genetics-Past, Future, and Medical Applications – An examination of the historical development, current status, and future of genetics, with particular emphasis on medical implications and applications.

05-Public Health – An examination of current issues in public health including the opioid epidemic, gun violence, race relations, mental health, abortion policy, economic disparities, climate change, and the Covid-19 pandemic. This seminar topic is relevant to all health pre-profession students and many students in the humanities and social sciences.

- 3880. DARWIN AND EVOLUTIONARY THEORY.** (3-3-0). Intensive readings and discussions of the major writings of Charles Darwin, with supplementary readings of other writers, including Lamarck, Lyell, Wallace, Spencer and Gould. Fulfills the Major Figure requirement for students in the Humanities and Social Thought Concentration and provides credit in Scientific Inquiry. Prerequisites: SBIO 1850 or SECL 1920 or BIOL 1020.
- 3890. DIRECTED STUDY IN BIOLOGY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

- 4810. SEMINAR IN DEVELOPMENTAL BIOLOGY.** (3-3-0). A treatment of mechanisms underlying the ontogenetic organization of the major biological systems in animals, including molecular, cellular, and tissue-level processes. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisites: two semester sequence in general biology and permission of instructor.

### SCHOLARS' BUSINESS (SBUS)

- 480T. THESIS RESEARCH: BUSINESS.** (2-0-0). Preparation of a senior thesis or project in accounting, business administration, or computer information systems. Prerequisite: SBUS 4000 and a cumulative GPA of 3.0 or greater.
- 482T. THESIS: BUSINESS.** (3-0-0). Completion and presentation of a senior thesis or project in business. Prerequisite: SBUS 480T.
- 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students majoring in Accounting, Business Administration, or Computer Information Systems and preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within business; bibliographic data bases and research/reference works; production of the thesis proposal.

### SCHOLARS' BUSINESS, TECHNOLOGY, AND SOCIETY (SBTS)

- 480T. THESIS RESEARCH: BUSINESS, TECHNOLOGY, AND SOCIETY.** (2-2-0). Preparation of a senior thesis or project in business and/or technology. Prerequisite: SLSC 4000 and a cumulative GPA of 3.0 or greater.
- 482T. THESIS: BUSINESS, TECHNOLOGY, AND SOCIETY.** (3-3-0). Completion and presentation of a senior thesis in business and/or technology. Prerequisite: SBTS 480T.

### SCHOLARS' CHEMISTRY (SCHM)

- 1840. HONORS CHEMISTRY I.** (3-3-0). The general principles of chemistry, including atomic and molecular structure, chemical bonding, properties of gases, liquids, and solids, and inorganic reactions.
- 1841. HONORS CHEMISTRY LABORATORY I.** (1-0-3). Laboratory experiments demonstrating the chemical principles presented in 1840 or CHEM 1030. Corequisite: 1840 or CHEM 1030.
- 1860. HONORS CHEMISTRY II.** (3-3-0). A continuation of 1840, focusing on chemical equilibrium, thermodynamics, kinetics, and nuclear chemistry. Prerequisite: 1840 or CHEM 1030.
- 1861. HONORS CHEMISTRY LABORATORY II.** (1-0-3). Laboratory experiments demonstrating the principles presented in 1860 of CHEM 1040, including the use of instrumentation techniques. Prerequisite: 1841 or CHEM 1031. Corequisite: 1860 or CHEM 1040.
- 3810. HONORS ORGANIC CHEMISTRY I.** (3-3-0). The first half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: 1860 or CHEM 1040.

- 3811. HONORS ORGANIC CHEMISTRY LABORATORY I.** (2-0-4). Basic experiments in organic chemistry. Corequisite: 3810 or CHEM 3010.

- 3820. HONORS ORGANIC CHEMISTRY II.** (3-3-0). The second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ethers, ketones, amines, acids and their derivatives. Prerequisite: 3810 or CHEM 3010.

- 3821. HONORS ORGANIC CHEMISTRY LABORATORY II.** (2-0-4). Continuation of 3811. Preparation and qualitative analysis of organic compounds. Corequisite: 3820 or CHEM 3020.

- 3890. DIRECTED STUDY/RESEARCH IN CHEMISTRY.** (1 to 12-1 to 12-0). Supervised independent study and/or research on selected topics. Highly recommended for students pursuing careers requiring graduate research in biochemistry, chemistry, or chemistry-related disciplines (including molecular biology, cell biology, virology, etc.), and students pursuing careers in medicine or other health-related professions. Students may use this study/research to satisfy the Scientific Inquiry research seminar requirement. May be repeated when the topic varies. Prerequisite: consent of instructor.

Areas of research are identified as follows:

- 01-Computational biochemistry
- 02-Computational chemistry

- 4810. HONORS BIOCHEMISTRY I.** (3-3-0). Highly recommended for pre-health professions. Chemistry of living matter, with medical applications. Topics include amino acids, proteins, carbohydrates, lipids, nucleic acids, recombinant DNA, genetic disease, enzymes, antibiotics, and pathways (including glycolysis gluconeogenesis and the tricarboxylic acid cycle). Prerequisite: 3820 or CHEM 3020.

- 4890. CHEMISTRY SEMINAR.** (1-1-0). Research, reports, and discussions about current or historical issues in chemistry. May be repeated any number of times, but only two hours may be applied toward a degree. Prerequisite: junior standing and consent of instructor.

- 4990. ADVANCED RESEARCH IN CHEMISTRY.** (2 to 4-1 to 4-0). Supervised research on selected topics at an advanced level. Focus on computational biochemistry and chemistry, including molecular modelling and docking analyses using state-of-the-art software. May be repeated. Maximum of 3 hours can be used to satisfy Scientific Inquiry concentration requirements, including Science Research Seminar. Prerequisite: 3890 and consent of instructor.

Areas of research:

- 01-computational biochemistry
- 02-computational chemistry

### SCHOLARS' CLASSICS (SCLA)

- 3810. THE COMIC MUSE: COMEDY AND SATIRE IN THE ANCIENT WORLD.** (4-4-0). The history, evolution, and interrelationship of comedy and satire in the Greco-Roman world. Includes several instances in which these forms are adopted or adapted in later periods. All works are read in English translation.

- 3830. WOMEN IN ANCIENT GREECE AND ROME.** (3-3-0). In this course students will learn about the lives of women in Ancient Greece and Rome, learn about specific Greek and Roman women, and analyze the representation of women in both Greek and Roman literature.

## SCHOLARS' CRITICAL READING, CRITICAL WRITING (SCRT)

- 181W. CRITICAL READING, CRITICAL WRITING.** (3-3-0). Exercise in verbal argument and analysis, in conjunction with the study of major writers, major thinkers, and significant cultural issues. Disciplines and topics vary; may be taken for credit only once.
- Subtitles:
- 01-Justice, Virtue, and the Good. A close study of ethical writings by Plato and Aristotle, emphasizing both moral ideas and philosophical reasoning: Plato's *Euthyphro*, *Gorgias*, and *Republic*, and Aristotle's *Nicomachean Ethics*.
- 03-Selfhood and Community. An inquiry into changing conceptions of the "self" and shifting relations between individuals and communities in the nineteenth and twentieth centuries.
- 04-Utopian Visions. Versions of perfection in utopian works written in Europe and America from the sixteenth century to the present-utopian perspectives on perfection, humanism, liberalism, socialism, aesthetic Marxism, and feminism. Examinations of contemporary assumptions about what is "natural" and possible in our own time and in the future.
- 05-Greek and Roman Art: A General Survey. An overview of the development of Greek and Roman art organized to complement the material presented in *Texts and Traditions I*.
- 06-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries, emphasizing literary analysis, but also examining social and historical contexts as well as the issues of race, class, and gender. Chopin, Faulkner, O'Connor, Welty, Percy, Hurston, Walker, among others.
- 07-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.
- 10-The Physical Concept of Time. Introduction to the study of time, as viewed from the perspectives of natural philosophy, mathematics, and modern physics. Zeno's paradoxes; relativity and block universe; "time's arrow" in thermodynamics and cosmology.
- 11-Writing About Film. A writing-intensive seminar offering an introduction to the vocabulary and perspectives of film criticism.
- 12-The History and Philosophy of Natural Science. A writing-intensive seminar designed to help students understand how scientists think and why we know what we know. Students will be given a background in "scientific thought processes."
- 13-Writing about Literature: The Lost Generation. An introduction to college-level critical reading and writing skills through study of the literature of Americans and American expatriates between the World Wars.
- 15-Literature and the Law. A study of the history of legal writing as literature, and a study of what literature has to teach about the history and interpretation of law and methods of legal argument.
- 16-The Modern Synthesis. An exploration of major points in the Modern Synthesis of Darwinian evolution and genetics, including points of contention between major contributors to modern evolutionary theory.
- 17-Music and Disability Studies. The course will explore disabled composers, performers, and specific pieces of music and analyze the relationship between the disabled community and culture in general.

## SCHOLARS' ECOLOGY (SECL)

- 1910. HONORS ECOLOGY I.** (3-3-0). An introduction to the ecological relationships between organisms and their environments at the ecosystem and community levels of organization. Topics include primary production and decomposition, migration and dispersal across landscapes, and food webs. Prerequisite: registration in or credit for 1911.
- 1911. HONORS ECOLOGY LABORATORY I.** (1-0-3). Laboratory experiments and field studies demonstrating the principles presented in SECL 1910. Prerequisite: registration in or credit for 1910.
- 1920. HONORS ECOLOGY II.** (3-3-0). An introduction to the ecological relationships between organisms and their environments within populations, and evolution as an ecological process. Topics include demography, pollination ecology, and evolution through natural selection. Prerequisite: registration in or credit for 1921.
- 1921. HONORS ECOLOGY LABORATORY II.** (1-0-3). Laboratory experiments and field studies demonstrating the principles presented in SECL 1920. Prerequisite: registration in or credit for 1920.
- 3890. DIRECTED STUDY IN ECOLOGY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.

## SCHOLARS' ECONOMICS (SECO)

- 1810. FUNDAMENTALS OF INVESTMENT AND PERSONAL FINANCE.** (1-1-0). An introduction to budgeting and personal investment, including the basics of debt and equity markets, interest rates, risk and portfolio management. This course does not satisfy any requirements or prerequisites in the School of Business.
- 2810. AN INTRODUCTION TO ECONOMIC REASONING.** (4-4-0). A survey of the historical evolution and current state of American economic theory and policy. The fundamentals of economic analysis, with application to a wide array of economic issues: government regulation of markets, income distribution, federal deficits, government stabilization policy, and America's position in the world economy. Prerequisite: SMAT 1820 or SMAT 2000. (Credit not allowed for both ECON 2010 and SECO 2810).
- 2820. ECONOMICS FOR THE LIBERAL ARTS AND HUMANITIES.** (3-3-0). An introduction to economics, economic theory, and economic study aimed at students of the liberal arts and humanities. Covers basics of economic analysis, the relationship of politics and economics, economic policy, etc.
- 3840. ENVIRONMENTAL ECONOMICS.** (3-3-0). A study of the economics of resource extraction and environmental protection, with emphasis on renewable resources (water, forests, land, wildlife, etc.), and political and economic mechanisms to optimize their use over time. Prerequisite: SMAT 2000, SECL 1920, and ECON 2010 or SECO 2810.
- 3850. LAW AND ECONOMICS.** (4-4-0). A study of the role of economic reasoning in the development of legal and institutions and justice. The application of formal economic analysis to the common law (specifically, property, contracts, and torts), and an examination of the tools of non-cooperative game theory applied to legal analysis. Prerequisite: SECO 2810 or ECON 2010.
- 3860. THE LITERATURE OF ECONOMICS AND ECONOMICS IN LITERATURE.** (3-3-0). A study of economic themes in works of literature, and an appreciation of the literary value of some classical writings in economics. Literary depictions of society making a living, and literary exhortations to society to mend its economic ways.



- 3890. DIRECTED STUDY IN ECONOMICS.** (1-4-0-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.
- 4830. WEALTH AND POVERTY IN THE UNITED STATES.** (4-4-0). An inquiry into the causes and consequences of American wealth and poverty, emphasizing the intellectual origins of American individualism and of laissez faire economic practice. Topics covered include: current statistics on income distribution; political economy; the experience of immigrant minorities; chronic poverty; rural poverty; recent theory and policy debates. Prerequisite: SECO 2810 or ECON 2010.

### SCHOLARS' ENGLISH (SENG)

- 2000. SEMINAR IN ENGLISH AND AMERICAN LITERATURE.** (3-3-0). Major figures, period studies, critical issues and problems. May not receive credit for SCRT 181W and SENG 2000 on the same topic. May be repeated once as topic varies. Prerequisite: SCRT 181W or ENGL 1020.  
Subtitles:  
01-Selfhood and Community in Nineteenth and Twentieth Century Writing. Fiction by Austen, Bronte, Conrad, Woolf, Faulkner, Lawrence, and others, in the context of cultural change.  
02-Finding the Lost Generation: British and American Writing in the Twenties. Focused on a pivotal moment in twentieth-century cultural history, the decade following the First World War, this course combines an exploration of literary modernism with an inquiry into certain fundamental problems of cultural theory. Works by Ford, Pound, Lawrence, Hemingway, Fitzgerald, Waugh, Graves, Eliot, Woolf, among others.  
03-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries.  
04-An Introduction to Film Criticism. An introduction to the vocabulary and perspectives of film criticism.
- 2100. CREATIVE NONFICTION.** (3-3-0). Exercise in the writing of creative nonfiction with emphasis on revision, organization, style, and audience awareness; may be substituted for ENGL 1010 in the LSC core curriculum.
- 3000. WORLD MYTHOLOGY.** (3-3-0). Exploration of myths as literature from around the world including: Greek, Roman, Celtic, Norse, Egyptian, Native American, and Oceanic. Prerequisite: SCRT 181W.
- 3520. STUDIES IN WORLD LITERATURE.** (4-4-0). Explores literature in translation across national and geographic boundaries; various topics and texts. May be repeated for credit as topics vary. Prerequisite: SCRT 181W or ENGL 1020.  
Subtitle:  
01-Global Gothic Literature: Exploration of Gothic literature in a global context.
- 3590. BRITISH LITERATURE** (4-4-0). This course explores the important functions of illustration in Victorian literature and culture. May be repeated for credit as topics vary. Prerequisite: SCRT 181W or ENGL 1020.  
Subtitle:  
01-Drawing the Victorians: Literature & Illustration
- 3810. SHAKESPEARE.** (4-4-0). Study of representative plays by Shakespeare, including comedies, tragedies, and histories, illustrating the development of his style.
- 3840. TOPICS IN LITERARY THEORY AND CRITICISM.** (4-4-0). Intensive study of a major period, movement, or body of literary theory and criticism. May be repeated for credit as topic varies. Prerequisite: sophomore standing and completion of one 2000-level literature course.

Subtitles:

04-Postmodern Literary Theory. A study of the major postmodern literary schools of theory (e.g., feminist, Marxist, post-colonial, semiotic) with emphasis on the work of Foucault, Derrida, and Lacan and a focus on examining the location of literary texts within a wider context of politics and culture.

05-Feminist Theory and Criticism. A study of feminist theory and criticism, focusing on the development of the discipline of feminist thought, the debates and issues that fractured feminism into feminisms, and the intersections of feminist thought with other approaches to theory (African/American theory, queer theory, postmodern theory, etc.)

- 3860. STUDIES IN CONTEMPORARY LITERATURE.** (4-4-0). Various contemporary texts and topics. May be repeated for credit when topics vary. Prerequisite: SCRT 181W.

Subtitles:

01-Magic Realism in Literature: Study exploring the philosophical, political, economic, social and spiritual dimensions of the genre of literature known as magic realism.

02-The Postcolonial Novel: A study of the novels being written in the historical colonies and dependences of the European powers, with an examination of how the colonial experience has affected the type and content of literature produced in these areas.

03-Women Authors and the Symbolic Order: Literature by women writers read through the lens of Lacanian theory, which argues that women cannot negotiate the Symbolic Order (i.e., language), to determine the ways in which these writers reconcile their gender identity with preconceived notions of societal agency.

04-The American Family in Literature: Study emphasizing the diversity of the American family as exemplified through writers of various races, geographical regions, ethnicities, religions, and sexual orientations.

05-Graphic Novels. Study in the evolution of graphic novels, their components, and their potential as tools for communication and engagement.

06-Girlhood and Adolescence in Contemporary Southern Women's Novels. The course will explore 21<sup>st</sup> century novels by Southern women writers, focusing on how these authors portray the impact of contemporary social problems on the development of a gendered identity.

- 3880. STUDY OF A MAJOR WRITER.** (4-4-0). Study emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.

Subtitles:

03-Jane Austen  
10-William Faulkner  
14-Toni Morrison  
17-J.R.R. Tolkien

- 3890. DIRECTED STUDY IN ENGLISH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

- 4210. STUDIES IN LGBTQ LITERATURE** (4-4-0). Explores the work of LGBTQ writers (lesbian, gay, bisexual, transgender, queer, and other non-normative sexual identities) with attention to the major concepts and political issues that shape LGBTQ identities and cultural productions; various topics, texts, and time periods. May be repeated for credit as topics vary. Prerequisites: SCRT 181W or ENGL 1020. May be repeated for credit as topics vary.

Subtitle:

01- Survey of LGBTQ Literature: A broad  
02- examination of LGBTQ literature with attention to different time periods and genres.

## SCHOLARS' FINE & PERFORMARTS (SFPA)

- 480T. THESIS RESEARCH – FINE AND PERFORMING ARTS.** (2-0-0). Preparation of a senior thesis or project in the fine and performing arts. Prerequisite: SLSC 4000 and a cumulative GPA of 3.0 or greater.
- 482T. THESIS – FINE AND PERFORMING ARTS.** (3-0-0). Completion and presentation of a senior thesis or project in the fine and performing arts. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.

## SCHOLARS' FRENCH (SFRE)

- 1810. FRENCH I HONORS.** (4-4-0). An introduction to French grammar, pronunciation, and vocabulary. Verb tenses: present, preterit, and imperfect. Development of cultural knowledge as well as skill in understanding, speaking, reading, and writing.
- 2810. FRENCH II HONORS.** (4-4-0). A continuation of 1810 with emphasis on basic French. Prerequisite: 1810 or consent of instructor.
- 2820. FRENCH III HONORS.** (4-4-0). An intensive study of French grammar and review of basic French. Reading, discussion, and writing are emphasized. Prerequisite: 2810 or consent of instructor.
- 2830. FRENCH IV HONORS.** (3-3-0). An introduction of French literature and civilization. Discussion and writing are emphasized. Prerequisite: 2820 or consent of instructor.
- 2840. FRENCH CULTURE AND CONVERSATION.** (3-3-0). Designed to help students with their oral skills as well as introduce them to French social habits. Students watch and comment on short French documentaries. They also keep a listening log of outside assignments such as "En Francais" from PBS, French films, French radio, etc. Prerequisite: 2820.
- 3810. LE COMMENTAIRE DE TEXTES LITTERAIRES.** (3-3-0). Designed to teach students French literary analysis. Includes study of famous French works. Preparation for a more detailed study of French literature. Prerequisites: 1810, 2810, 2830, and consent of instructor.
- 3890. DIRECTED STUDY IN FRENCH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.  
Subtitles:  
01-Louis XIV  
02-Les Guerres de Religion  
03-France through Film  
04-Manon Lescaut  
05-French History  
06-Translation  
07-La Nouvelle  
08-Current Events

## SCHOLARS' GREEK (SGRK)

- 1810. GREEK I HONORS.** (3-3-0). In this course students will begin a study of the grammar, syntax, vocabulary and culture of the ancient Greek world with the aim of reading the texts of Plato, the New Testament, Homer, and the Greek writers in the original language.
- 2810. GREEK II HONORS.** (3-3-0). In this course students will continue the study of the grammar, syntax, vocabulary and culture of the ancient Greek world with the aim of reading the texts of Plato, the New Testament, Homer and other Greek writers in the original language. Prerequisite: credit for SGRK 1810 or consent of instructor.

- 2820. GREEK PROSE HONORS.** (3-3-0). In this course students will read Greek works such as the philosophy of Plato, the New Testament, the speeches of Lysias and writings of other prose authors in the original language. Prerequisites: credit for SGRK 2810 or consent of instructor.
- 2830. GREEK POETRY HONORS.** (3-3-0). In this course students will read Greek works such as the plays of Euripides or Aristophanes, lyric poetry, or the poetry of Homer and others in the original language. Prerequisite: Credit for SGRK 2810 or consent of instructor.
- 2840. READING GREEK AUTHORS.** (3-3-0). In this course students will read in Greek the works of both prose authors like Plato, Lysias, Lucian, or the New Testament, and the poetry of authors such as Homer, Aristophanes, and Euripides. Prerequisite: SGRK 2810 or equivalent or consent of instructor.
- 3820. GREEK PROSE.** (3-3-0). In this course students will read the works of Greek prose authors in the original Greek. Prerequisite: SGRK 2840 or equivalent with permission of instructor.  
Subtitles:  
01-History. In this course students will read the works of the Greek historians (Herodotus, Thucydides, Xenophon) in Greek and learn about the influence of these writers on the genre of historiography.  
02-Oratory. In this course students will read the works of the Greek orators (Lysias, Demosthenes, Aeschines, Isocrates) in Greek and learn about the development of oratory within Greek culture and the influence of these writers on the development of oratory as a genre.
- 3830. GREEK EPIC.** (3-3-0). In this course students will read the works of the Greek Epic (Homer, Hesiod, Apollonius) in the original Greek. Prerequisite: SGRK 2840 or equivalent.
- 3840. THE GREEK NOVEL.** (3-3-0). In this course students will read novels by authors such as Longus, Lucian, Xenophanes, Chariton, and Heliodorus in the original Greek. Prerequisite: SGRK 2840 or equivalent.
- 3890. DIRECTED STUDY IN GREEK.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies.
- 4810. GREEK DRAMA.** (3-3-0). In this course students will read the works of the Greek Theatre in the original Greek. Prerequisite: SGRK 2840 or equivalent with permission of instructor.  
Subtitles:  
01-Tragedy. In this course students will read the works of the Greek tragedians (e.g., Aeschylus, Sophocles, Euripides) in Greek and learn about the role of the tragic theatre in Greek culture.  
02-Comedy. In this course students will read the works of the Greek comic playwrights (e.g., Aristophanes, Menander) in Greek and learn about the role of the comic theatre in Greek culture.
- 4890. ADVANCED READING IN GREEK.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

## SCHOLARS' HISTORY (SHIS)

- 1010. GLOBAL HISTORY TO 1500.** (3-3-0). The history of the human community from prehistory (ca. 10,000 BCE) to 1500. The origins, development, and achievements, as well as the interrelations, of the major world civilizations will be discussed. Comparing the economic, cultural, and political experience of different societies will be an essential feature of the course.

- 2000. SEMINAR IN HISTORY.** (3-4-3-4-0). Special topics in history. Cross-listed as SCRT 181W. Open as SHIS 2000 only to students who have completed a different SCRT 181W section. May be repeated for credit as topics vary.  
Subtitles:  
01-Utopian Visions. Versions of utopia from the 16th century to the present.  
02-Popular Culture and Politics in Modern Europe: From Carnival to Rock Video. An exploration of the connections over the last three hundred years between the distribution of political power in particular societies and the ways that people have amused themselves (or have been amused). Emphasis is on primary materials—folk tales, song lyrics, advertisements (old and new), religious sermons and revelations, political cartoons, descriptions of popular festivals, riots, and murders.
- 2010. GLOBAL HISTORY SINCE 1500.** (3-3-0). The history of the human community from approximately 1500 to the present. The central question of the course is what is modernity and how have peoples and societies of the globe changed during the past 500 years because of it.
- 3700. EUROPE 1660-1789: ART AND POLITICS.** (4-4-0). Analysis of the economics and society of the period as well as the politics and art.
- 3710. EUROPE 1800-PRESENT: ART AND POLITICS.** (4-4-0). Focusing particularly on the politics and art of the period.
- 3720. TERRORISM AND COUNTERTERRORISM IN THE 19TH – 20TH CENTURIES.** (4-4-0). The theoretical justification for and the history of terrorism and the attempts to control it during the nineteenth and twentieth centuries.
- 3730. AMERICAN LABOR HISTORY.** (3-3-0). Issues in the history of labor in America from colonial times to present, emphasizing the importance of context of events, connections to other national and global events, and significance of labor in current events.
- 3810. THE FRENCH REVOLUTION.** (4-4-0). Analysis of the causes of the Revolution and of its development after 1789, with emphasis on primary sources and opposing historical interpretations. Students will write a research essay.
- 3840. HISTORY OF RUSSIA SINCE 1861.** (3-3-0). Major issues in the economic, social, cultural, and political evolution of Russia from 1861 to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.
- 3880. MAJOR FIGURES IN HISTORY.** (4-4-0). Intensive study of the life and work of a major figure in history, emphasizing the individual's connection to his or her time, his or her influence since then, and the vagaries of reputation. Students will write a research essay. May be repeated for credit as topic varies. Prerequisite: sophomore standing or permission of instructor.  
Subtitles:  
01-Louis XIV  
02-Rousseau  
03-Napoleon  
06-Bismarck  
07-Churchill  
09-Marx  
10-Hitler  
11-Keynes  
12-Augustus Caesar  
13-Joseph Stalin  
14-Gandhi  
15-Elizabeth I  
16-The Pankhursts  
17-Cicero

- 3890. DIRECTED STUDY IN HISTORY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 4820. ITALY SINCE THE RENAISSANCE.** (4-4-0). Major issues in the political, economic, social, and cultural evolution of Italy from the fifteenth century to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.
- 4840. HISTORY OF WORLD WAR I.** (4-4-0). The causes and course of World War I and its impact on societies around the world. Prerequisite: SCRT 181W, sophomore standing, or consent of the instructor.
- 4850. HISTORY OF WORLD WAR II.** (4-4-0). The causes and course of World War II in Europe and the Pacific. Prerequisite: SCRT 181W, sophomore standing, or consent of the instructor.
- 4890. ADVANCED READING IN HISTORY.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

### SCHOLARS' HISTORY & PHILOSOPHY OF SCIENCE (SHPS)

- 2000. SEMINAR IN THE HISTORY AND PHILOSOPHY OF SCIENCE.** (3-3-0). Interdisciplinary seminar on topics in the history and philosophy of science, including the cultural impact of scientific discoveries. May not receive credit for SCRT 181W and SHPS 2000 on the same topic. May be repeated once as topic varies. Prerequisite: SCRT 181W or ENGL 1020.  
Subtitles:  
01-The Natural Philosophy of Time. Introduction to the study of time, as viewed from the perspectives of natural philosophy, mathematics, and modern physics. Zeno's paradoxes; relativity and the block universe; "time's arrow" in thermodynamics and cosmology.  
02-The Modern Synthesis. An exploration of major points in the Modern Synthesis of Darwinian evolution and genetics, including points of contention between major contributors to modern evolutionary theory.  
03-Philosophy of Science. A writing intensive seminar designed to help students understand how scientists think and why we know what we know. Students will be given a background in scientific thought process.

### SCHOLARS' HUMANITIES AND SOCIAL THOUGHT (SHST)

- 3810. ATHENS IN THE FIFTH CENTURY.** (4-4-0). An interdisciplinary study of Athens in the Fifth Century B.C.E. Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, and Thucydides.

### SCHOLARS' HUMANITIES (SHUM)

- 480T. THESIS RESEARCH – HUMANITIES AND SOCIAL THOUGHT.** (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in the humanities or social sciences. Prerequisite: SLSC 4000 and a cumulative GPA of 3.0 or greater.
- 482T. THESIS – HUMANITIES AND SOCIAL THOUGHT.** (3-0-0). Completion of a senior thesis or essay in the Humanities and Social Thought Concentration. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.

- 4890. ADVANCED READING IN HUMANITIES.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

### SCHOLARS' INTERNSHIP (SINT)

- 4890. SCHOLARS' COLLEGE INTERNSHIP.** (1 to 6-0-1 to 6). Internship course used for students engaging in planned work experiences related to their education. Student must be a sophomore or better in standing, have a 3.0 or better GPA and have the approval of the Director of Scholars' College. Internships can be taken during the spring, summer, or fall.

### SCHOLARS' INTERDISCIPLINARY (SLSC)

- 2000. INTERDISCIPLINARY SEMINAR.** (3-3-0). Sophomore seminars on special topics transcending disciplinary boundaries. May not receive credit for SCRT 181W and SLSC 2000 on the same topic. May be repeated once for credit as topics vary. Prerequisite: SCRT 181W or ENGL 1020.

Subtitles:

01-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.

03-Literature and the Law. A study of the history of legal writing as literature, and a study of what literature has to teach about the history and interpretation of law and methods of legal argument.

04-Music and Disability Studies. This course will focus on disability studies in the context of music and musicians. All aspects of the musical process can filter through a lens of disability, including composers, performers, and representations in specific pieces of music. The relationship between the disabled community and their audience will also be addressed.

- 3100. INTERDISCIPLINARY PROBLEM-SOLVING.** (1-1-0). Students work collaboratively to come up with solutions from multiple disciplinary perspectives to a contemporary social problem that will vary each semester. Prerequisite: Junior standing.

- 3800. INTERDISCIPLINARY SEMINAR.** (1 to 4-1 to 4-0). Seminars on topics transcending disciplinary boundaries. May be repeated for credit as topics vary. Prerequisite: consent of instructor.

Subtitles:

03-The Victorian Imagination: Class and Crisis. Examination of English Culture and society in the 19<sup>th</sup> century through various contemporary materials, especially novels, but including political discourse, social commentary, art, and architecture. Prerequisite: junior standing or consent of instructor.

04-Contemporary Economic Issues. Current topics in the world economy, emphasizing the influence of social, cultural, and political factors. May be repeated for credit as topics vary.

07-Western Intellectual Traditions. 300-1350. This course will focus on the formation of western European thought and learning in the period of 300-1350. It will situate this critical intellectual era in its historical context by studying the links and breaks with ancient thought on one side and early modern thought on the other.

08-Soviet Life in Literature. A study of the ideology, aspirations, and everyday life of the Soviet people as portrayed by Soviet writers from the 1920s through the 1970s. Includes works in translation by Zamiatin, Bulgakov, Mayakovsky, Solzhenitsyn, Dumbrovsky, and Pasternak.

09-Ecofeminism: Philosophy and literature. An interdisciplinary course concerned with exploring the ecological crisis through the lenses of feminist thought, especially in the areas of philosophy and theology, and analyzing works of contemporary literature that tie environmental degradation to greater political systems of oppression.

11-Love and Tyranny. An examination of the relationship between romantic/erotic love and totalitarian societies as revealed in literature, psychology, history, film, and philosophy.

12-Post War American Avant-garde. An examination of the post-World War II American Avant-garde, including such movements as beat literature, jazz music, and abstract expressionism.

- 3810. GREAT CITIES IN WESTERN CIVILIZATION.** (4-4-0). The history, art, literature, and politics of a great city during a period of cultural blossoming. May be repeated for credit as the topic varies.

Subtitles:

01-Saint Petersburg

02-Paris

- 3830. LIVING A SUSTAINABLE LIFE.** (4-4-0). Aspects of applying sustainability to lifestyle and comparing cultural norms in the region to others in the States and world. Prerequisite: SCRT 181W.

- 3840. VISUAL LITERACY.** (4-4-0). Understanding the use of imagery in human communication including data visualization, generation, analysis, and manipulation of images, political cartoons and propaganda. Prerequisite: SCRT 181W or ENGL 1020.

- 3850. SOCIAL MOVEMENTS AND SOCIAL ACTIVISM.** (4-4-0). Understanding social movements and what they do, learning how to be more involved and effective as a member of a movement or organization seeking social change; focusing on the practical aspects of being an involved and effective member of society. Prerequisite: SCRT 181W or instructor permission.

- 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within sciences, humanities, and arts; bibliographic data bases and research/reference works; and production of the thesis proposal.

- 4010. THE SERIAL KILLER.** (4-4-0). An introduction to the lives and crimes of the serial killer. Included are the serial killer as represented in literature and film, plus the psycho-social reasoning explaining their behavior. Prerequisite: SOC 1010, SSOT 2850, or permission of instructor.

- 4240. CONSPIRACY THEORIES AND MORAL PANICS.** (4-4-0). Investigating conspiracy theories and moral panics from a variety of theoretical standpoints including history, sociology, anthropology, psychology and political science: Using case studies such as the Eugenics Movement, Jonestown, and the Kennedy Assassination, to understand the transformed way people think about power in the postmodern era. Prerequisite: SSOT 2850 or instructor permission.

- 4820. SOCIOBIOLOGY AND THE EVOLUTION OF SEX.** (3-3-0) A critical review of the theory of sociobiology. Special emphasis on the theoretical basis for the evolution and maintenance of recombination and the empirical evidence for the evolutionary advantages of various mating systems. Satisfies the research seminar requirement for the Scientific Inquiry Concentration and the interdisciplinary seminar requirement for the Humanities and Social Thought Concentration of the Liberal Arts major. Prerequisites: SBIO 1830, SECL 1910, or 1920; or SCTT 2810 and 2820; or ANTH 3050; or BIOL 3340.

- 4890. ADVANCED READING IN INTERDISCIPLINARY STUDIES.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

- 4900. LIBERAL ARTS IN PRACTICE.** (1-1-0). A capstone experience for all majors in the Louisiana Scholars' College. Practical concerns for identifying and achieving professional and educational goals and opportunities after graduation.

## SCHOLARS' LATIN (SLTN)

- 1810. LATIN I HONORS.** (3-3-0). The fundamentals of Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax. Aspects of Roman culture and its tradition in the Western world will also be discussed.
- 2810. LATIN II HONORS.** (3-3-0). A continuation of 1810. Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax and additional study of the Latin tradition. Prerequisite: credit for 1810 or consent of instructor.
- 2820. LATIN III HONORS.** (3-3-0). Introduction to Latin literature and advanced study of Latin grammar. Prerequisite: credit for 2810 or consent of instructor.
- 2830. LATIN POETRY HONORS.** (3-3-0). In this course students will read the poetry of authors such as Vergil, Catullus, and Ovid in the original language. Prerequisites: credit for SLTN 2810 or consent of instructor.
- 2840. READING ROMAN AUTHORS.** (3-3-0). In this course students will read in Latin the works of both prose authors such as Cicero, Seneca, and Livy and the poetry of authors such as Vergil, Catullus, Lucretius, and Martial. Prerequisite: SLTN 2810 or equivalent or consent of instructor.
- 2880. GREEK AND LATIN ELEMENTS IN ENGLISH.** (3-3-0). An introduction to classical vocabulary, and to historical, linguistic, and grammatical relationships among the Greek, Latin, and English languages.
- 3810. DIRECTED READING IN LATIN.** (3-3-0). Supervised independent study (translation and commentary) of significant Latin texts. May be repeated as topic varies. Prerequisite: SLTN 2820.  
Subtitles:  
01 – Latin Prose Authors: Cicero, Livy, and Pliny the Younger  
02 – Latin Poetry: Vergil and Horace  
03 – Special Authors: Selected authors of prose and poetry from the first century CE through the medieval period, for instance the historian Ammianus Marcellinus (4th c.); the poet Ausonius, (4th c.), and the medieval scholar, John of Salisbury (12th c.).
- 3820. PROSE OF THE ROMAN REPUBLIC.** (3-3-0). In this course students will read the works of Roman prose authors who lived between 200 and 31 BC. Prerequisite: SLTN 2840 or equivalent and permission of instructor.
- 3840. PROSE OF THE GOLDEN AGE.** (3-3-0). In this course students will read the works of Roman prose authors who lived between 31 BC and 20 AD. Prerequisite: SLTN 2840 or equivalent and permission of instructor.
- 3850. POETRY OF THE GOLDEN AGE.** (3-3-0). In this course students will read the works of Roman poets who lived between 31 BC and 20 AD. Prerequisite: SLTN 2840 or equivalent and permission of instructor.
- 3890. DIRECTED STUDY IN LATIN.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 4820. POETRY OF THE SILVER AGE.** (3-3-0). In this course students will read the works of Roman poets who lived in the post-Augustan Roman empire (after 20 AD). Prerequisite: SLTN 2840 or equivalent and permission of instructor.
- 4850. ADVANCED COMPOSITION IN LATIN (PROSE).** (3-3-0). Supervised independent study of the translation of English prose into Latin, beginning with translations of actual classical works back into Latin, followed by works originally written in English such as the Declaration of Independence, and ending with an original Latin composition by the student. Prerequisite: SLTN 2820.

- 4860. ADVANCED COMPOSITION IN LATIN (POETRY).** (3-3-0). Instruction in the techniques of Latin meter. Supervised independent study of the translation of English poetry into Latin, beginning with translations of actual classical works back into Latin, followed by an original Latin composition by the student. Prerequisite: SLTN 2820.

- 4890. ADVANCED READING IN LATIN.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

## SCHOLARS' MATHEMATICS (SMAT)

- 1820. PRECALCULUS.** (3-3-0). An in-depth treatment of algebra, trigonometry, and analysis topics used in calculus, along with the historical development of analysis. Students may not receive credit for both SMAT 1820 and SMAT 1800.
- 1830. INTRODUCTION TO PURE MATHEMATICS.** (3-3-0). An introduction to mathematical logic and thought, classical problems in a variety of areas in pure mathematics, and a historical/cultural perspective of the topics covered. Topics include propositional logic, mathematical induction, number theory, group theory, sets, cardinality, and functions.
- 2000. APPLIED CALCULUS HONORS.** (3-3-0). The central ideas of calculus are introduced conceptually, as well as their applications in economics, life sciences, social sciences, and physical sciences are demonstrated in numerous examples. The notion of probability is explained in terms of integral. Prerequisite: Some knowledge of elementary functions is desirable.
- 2010. HONORS APPLIED CALCULUS 2.** (3-3-0). Applications of the central concepts of calculus, especially to the life sciences, economics, and the physical sciences. Linear approximation; differentials; Riemann sums; separable, first order linear, and second order linear differential equations; infinite series, including Taylor and McLaurin series; and matrices. Prerequisite: SMAT 2000 or equivalent.
- 2810. DIFFERENTIAL CALCULUS.** (5-5-0). A study of the concepts of functions, limits, continuity, and the derivative. Application of the derivative, antiderivative, and integration. Prerequisite: 1820 with a grade of "C" or better, or a satisfactory score on the placement exam.
- 2820. INTEGRAL CALCULUS.** (5-5-0). A continuation of 2810. A study of integrals, conics, transcendental functions, techniques of integration, parametric equations, improper integrals, and applications. Prerequisite: 2810 or consent of instructor.
- 2830. MATHEMATICAL LOGIC AND THE DEDUCTIVE SCIENCES.** (3-3-0). An introduction to mathematical logic and its applications. The basic concepts and principles of logic found in all branches of mathematics, and logical laws applied in mathematical reasoning. Applications of logic in mathematical theory building with concrete examples based on concepts and principles of logical deduction. Prerequisites: SMAT 1820 and either SMAT 1830 or 2810.
- 3890. DIRECTED STUDY IN MATHEMATICS.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

## SCHOLARS' MEDICAL HUMANITIES (SMHU)

- 4000. HONORS SEMINAR IN MEDICAL HUMANITIES.** (3-3-0). Overview of the field of medical humanities and intensive examination of a topic in medical humanities. May be repeated for credit as topics vary. Prerequisites: SCRT 181W or ENGL 1020.  
Subtitles:  
01- Plagues: The Philosophy and Literature of Epidemics: An examination of literary and philosophical works related to epidemics and pandemics.

02- Literature and Medicine: Writing about Illness: A broad examination of medial narratives with attention to different time periods and genres.

### SCHOLARS' MUSIC (SMUS)

- 3500. MUSIC FOR STAGE AND SCREEN.** (3-3-0). An overview of theatre and film music in Western culture, including the genres of opera, operetta, incidental music, and film music. Specific composers and trends will be discussed in an historical and stylistic context.
- 3600. HISTORY OF AFRICAN AMERICAN MUSIC.** (3-3-0). A study of the history of African-American music from 1619 to the present. A particular emphasis will be placed on the last century of contemporary music and its social significance. Prerequisite: For traditional NSU students: Fine Arts 1040. For Scholars' College students: Critical Reading and Writing.

### SCHOLARS' ORIENTATION (SOR)

- 1010. SCHOLARS' COLLEGE ORIENTATION.** (1-1-0). A required course introducing all incoming students to University life and to the Louisiana Scholars' College: history and traditions, requirements, regulations, academic strategies, career planning, and University resources.

### SCHOLARS' PHILOSOPHY (SPHI)

- 1000. CRITICAL AND ANALYTICAL THINKING.** (1-1-0). Introduction to the skills and techniques of critical and analytical thinking, including coverage of the following topics: definitions, arguments, fallacies, cognitive biases, and scientific reasoning.
- 2000. SEMINAR IN PHILOSOPHY.** (3-4-3-4-0). Special topics in philosophy. May be repeated for credit as topics vary. Subtitles:  
01- Greek Moral Theory. An introduction to Eudaimonism, the ancient moral theory based on the premise that all people do pursue, and indeed should pursue, happiness (i.e. "eudaimonia"). Selected works by Plato and Aristotle as well as other, more contemporary works (such as *Habits of the Heart*) to get a clear sense of the contrast between ancient moral reasoning and our own. The course also serves as a thorough introduction to ancient philosophy in general.  
02- Gnostic Christianity. An historical survey of major Gnostic religious texts from the Sethians (1<sup>st</sup>-2<sup>nd</sup> c. CE) to Valentinus and his followers (2<sup>nd</sup>-3<sup>rd</sup> c. CE). Some related, non-Gnostic heterodox writings may also be considered, such as *The Gospel of Thomas*, and *The Gospel of Judas*. Stress is on the philosophical theology underlying these texts, but issues of ritual practices, gender, and social dynamics will also be considered.
- 2820. INTRODUCTION TO ETHICS.** (3 to 4-3 to 4-0). An introduction to ethical theories, including formalism and consequentialism, as well as to practical applications of those theories.
- 2850. THE RELIGIOUS PHILOSOPHIES OF INDIA AND CHINA.** (4-4-0). An introduction to the major philosophico-religious texts of India and China, including the Upanishads, the *Bhagavadgita*, *The Laws of Manu*, and *Analects*, and the *Tao Te Ching*.
- 2860. PHILOSOPHIES OF CHRISTIANITY.** (4-4-0). Survey of the historical and philosophical development of Christianity, emphasizing the philosophical theologies of St. Augustine, St. Thomas Aquinas, the Protestant Reformers, Kierkegaard, and others. Prerequisite: sophomore standing.

- 3100. PROFESSIONAL ETHICS.** (3-3-0). Ethical issues in the professions; to include learning professional codes of ethics, ethical theories and other methods of ethical decision-making, and relevant legal issues. Coursework to include profession-related service/research project.
- 3710. ANCIENT PHILOSOPHY.** (4-4-0). A historical survey beginning with the Presocratic and concluding in the Hellenistic period. Includes such representative thinkers as Heraclitus, Parmenides, Socrates, Plato, Aristotle, and Sextus Empiricus.
- 3740. MEDIEVAL PHILOSOPHY.** (4-4-0). An historical survey of the thought of the Middle Ages. Topics may include: faith and reason, the eternity of the world, the existence of universals, the nature of the divine, and the problem of human freedom and divine foreknowledge. Includes such representative thinkers as Boethius, Augustine, Al-Farabi, Ibn Sina, Maimonides, Anselm, Ibn Rushd, Aquinas, Scotus, and Ockham.
- 3810. MODERN PHILOSOPHY.** (4-4-0). A historical survey beginning with the rationalists and including such thinkers as Descartes, Leibniz, Hobbes, Locke, Berkeley, Hume, Kant, and Hegel. Prerequisite: Sophomore standing.
- 3820. EXISTENTIALISM.** (4-4-0). An intensive study of twentieth century existentialism in its philosophical, literary, and artistic manifestations, as reflected in the works of Heidegger, Sartre, Camus, de Beauvoir, Beckett, and Ionesco. Three major precursors of the existential movement—Kierkegaard, Nietzsche, and Kafka—will also be considered.
- 3830. AMERICAN PHILOSOPHY.** (4-4-0). Intensive readings in and discussions of the writings of six major thinkers from the "Golden Age" of American philosophy: Pierce, James, Royce, Santayana, Dewey, and Whitehead. Prerequisite: three hours of philosophy and sophomore standing.
- 3840. CONTEMPORARY ANALYTIC PHILOSOPHY.** (4-4-0). A survey of analytic philosophy of this and the 20th century through a consideration of movements such as logical atomism, logical positivism, and ordinary language philosophy, and figures such as Frege, Russell, Wittgenstein, Austin, and Quine. Prerequisite: three hours of philosophy and sophomore standing.
- 3850. SYMBOLIC LOGIC.** (4-4-0). An introduction to sentential and first-order predicate logic. Emphasis on the language of these logics, translation into their languages from natural languages, and proof techniques. Some attention to the philosophy and history of logic, alternative logics, and metatheory. Prerequisite: sophomore standing.
- 3860. PHILOSOPHY OF KNOWLEDGE.** (4-4-0). Central topics in the philosophy of knowledge, including skepticism, justification, truth, and perception. Prerequisite: three hours of philosophy and sophomore standing.
- 3870. PHILOSOPHY OF FILM.** (4-4-0). Central topics in the philosophy of film, including the nature of photographic and moving images, as well as issues in aesthetics, epistemology, and ethics as they relate to films and motion pictures. Prerequisite: three hours of philosophy and sophomore standing.
- 3880. STUDY OF A MAJOR PHILOSOPHER.** (4-4-0). Intensive study of a major philosopher, emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.  
 Subtitles:  
01- Plato  
02- Aristotle  
03- Aquinas  
04- Descartes  
07- Kant  
09- Nietzsche  
11- William James  
13- Augustine

- 3890. DIRECTED STUDY IN PHILOSOPHY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 3900. PHILOSOPHY OF SCIENCE.** (3-3-0). Issues in the philosophy of science and philosophical issues in scientific reasoning: e.g. explanation, selection, what is science. Helpful for students interested in developing a stronger understanding of the discipline of science or a deeper understanding of a particular area of inquiry in philosophy.
- 3910. PROUST, AUTOBIOGRAPHY, AND THE PHILOSOPHY OF SELF.** (4-4-0). An interdisciplinary study of the self through the reading of Proust's *In Search of Lost Time* and writings on the philosophy of self, and through autobiographical projects. Satisfies the interdisciplinary seminar requirements for the Humanities and Social Thought concentration of the Liberal Arts major.
- 4100. PHILOSOPHY AND LITERATURE.** (4-4-0). An examination of philosophical issues that arise in literature and are about literature.
- 4200. ETHICS AND TECHNOLOGY.** (3-3-0). An examination of ethical issues related to the creation, use, and distribution of technology. Prerequisite: Junior standing or consent of instructor.
- 4890. ADVANCED READING IN PHILOSOPHY.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

### SCHOLARS' PHYSICS (SPHY)

- 1830. HONORS GENERAL PHYSICS I.** (3-3-0). The general principles of physics, including motion along a straight line, motion in a plane, Newton's laws of motion, applications of Newton's laws, circular motion and gravitation, work and energy, momentum, rotational motion, dynamics of rotational motion, and elasticity and periodic motion. Prerequisite: Registration in or credit for SPHY 1831.
- 1831. HONORS GENERAL PHYSICS LAB I.** (1-0-3). Laboratory experiments demonstrating physics concepts presented in SPHY 1830. Prerequisite: Registration in or credit for SPHY 1830.
- 1850. HONORS GENERAL PHYSICS II.** (3-3-0). The general principles of physics, including mechanical waves and sound; fluid mechanics; thermodynamics; thermal properties of matter; the second law of thermodynamics; electricity and magnetism; electric potential and capacitance; current, resistance, and direct-current circuits; magnetic field and magnetic forces; electromagnetic induction; and alternating current. Prerequisite: SPHY 1830 or PHYS 2030. Corequisite: SPHY 1851.
- 1851. HONORS GENERAL PHYSICS LAB II.** (1-0-3). Laboratory experiments demonstrating physics concepts presented in SPHY 1850. Corequisite: SPHY 1850.

### SCHOLARS' RUSSIAN (SRUS)

- 1700. INTRODUCTION TO RUSSIAN I.** (1-1-0). An introduction to practical spoken Russian for tourism and business.
- 1710. INTRODUCTION TO RUSSIAN II.** (1-1-0). A continuation of SRUS 1700.
- 1810. RUSSIAN I HONORS.** (4-4-0). An introduction to Russian grammar, pronunciation, and vocabulary. Verb tenses: present and past imperfective. Noun cases: nominative, accusative, dative, genitive. Development of cultural knowledge as well as skill in understanding, speaking, reading, and writing.

- 2810. RUSSIAN II HONORS.** (4-4-0). A continuation of SRUS 1810 with emphasis on basic Russian. Prerequisite: SRUS 1810. Noun cases: instrumental. Verb tenses: future imperfective, past and future perfective. Numbers.
- 2820. RUSSIAN III HONORS.** (4-4-0). A continuation of SRUS 2810 with emphasis on basic Russian. Prerequisite: SRUS 2810. Adjectives: comparative and superlative degree. Impersonal constructions, Verb participles: active and passive. Verbs of motion.
- 2830. RUSSIAN IV HONORS.** (3-3-0). A continuation of SRUS 2820 with emphasis on spoken Russian. Prefixed verbs of motion, prefixed verbs and aspect; verbal adverbs; conditional and subjunctive mood. Indefinite and negative adverbs, indefinite and negative pronouns. Prerequisite: SRUS 2820.
- 2890. DIRECTED STUDY IN RUSSIAN.** (4-4-0). A course in Russian grammar and conversation for students with at least two years of Russian grammar at high-school level or SRUS 1700/1710, or consent of instructor. This course does not fulfill in any way the Scholars' College language requirement.

### SCHOLARS' SCIENCE (SSCI)

- 2010. SCIENCE SEMINAR I.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This first semester emphasizes oral expression in addition to writing skills. Prerequisites and corequisites: credit for SCRT 181W and credit for or enrollment in one of the following: SBIO 1830, SCHM 1840, SECL 1910, 1920, PHYS 2030, or 2510.
- 2020. SCIENCE SEMINAR II.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This second semester considers oral expression and writing skills to be important. Prerequisites: credit for SSCI 2010 and credit for or enrollment in two of the following: SBIO 1830, 1850; SCHM 1840, 1860; SECL 1910, 1920; PHYS 2030, 2040, 2510, or 2520.
- 2030. SCIENCE SEMINAR III.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This last semester of the required core sequence emphasizes writing skills in addition to oral expression. Prerequisites: credit for SSCI 2020 and credit for or enrollment in three of the following: SBIO 1830, 1850, SCHM 1840, 1860; SECL 1910, 1920; PHYS 2030, 2040, 2510, or 2520.
- 2040. SCIENCE SEMINAR IV.** (1-1-0). Small group discussion of selected readings by and about scientists and science. Elective satisfying the science requirement of the Liberal Arts minor. Prerequisite: SSCI 2030. May be repeated once for credit.
- 3010. MCAT PREPARATORY COURSE.** (3-3-0). A review of material covered on the Medical College Admissions Test (MCAT), including biology, inorganic and organic chemistry, physics, and verbal test materials. Students will receive instruction on MCAT test-taking skills and will take at least four MCAT practice tests. Prerequisites or corequisites: one year of general biology, one year of inorganic chemistry, one year of organic chemistry, one year of physics.
- 480T. THESIS RESEARCH – SCIENTIFIC INQUIRY.** (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in mathematics or the sciences. Prerequisite: SLSC 4000 and a cumulative GPA of 3.0 or greater.
- 482T. THESIS – SCIENTIFIC INQUIRY.** (3-0-0). Completion of a senior thesis in mathematics or the sciences. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.

- 4890. ADVANCED READING IN SCIENCE.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

### SCHOLARS' SERVICE LEARNING (SERV)

- 1850. SCHOLARS' COLLEGE SERVICE LEARNING I.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
- 2850. SCHOLARS' COLLEGE SERVICE LEARNING II.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
- 3850. SCHOLARS' COLLEGE SERVICE LEARNING III.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
- 4850. SCHOLARS' COLLEGE SERVICE LEARNING IV.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.

### SCHOLARS' SOCIAL THOUGHT (SSOT)

- 2850. ISSUES OF SOCIAL JUSTICE.** (3-3-0). An investigation of current issues of social justice through understanding the historical context and social theoretical construction of the issues and responses to them.
- 3830. UNDERSTANDING VIOLENCE.** (4-4-0). Interdisciplinary perspectives on the causes of and responses to violence in our society; including views from anthropology, biology, psychology, peace studies, political science, and sociology. Prerequisite: SCRT 181W or SENG 2000 or instructor's permission.
- 4230. SOCIOLOGY OF MENTAL DISORDER.** (4-4-0). Mental illness and social construction, and population mental health as shaped by social conditions. The medicalization of deviant behavior and measurement of mental health in research. How inequalities in resources, power, and status "get under the skin" and influence the prevalence of mental health and well-being. Prerequisite: SOC 1010, SSOT 2850, or permission of instructor.
- 4250. QUALITATIVE RESEARCH METHODS.** (4-4-0). Introduction to qualitative research methods in the social and behavioral sciences. Emphasis on symbolic interaction, historical sociology, phenomenology, content analysis, the tools and techniques of field work and ethnography, and research ethics and responsibilities. Prerequisite: junior standing or consent of instructor.

### SCHOLARS' SPANISH (SSPN)

- 1810. SPANISH I HONORS.** (4-4-0). An introduction to Spanish grammar, pronunciation, and vocabulary. The course seeks to develop a knowledge of Spanish culture as well as skill in understanding, speaking, reading, and writing.
- 2810. SPANISH II HONORS.** (4-4-0). A continuation of 1810, emphasizing basic grammar including the past tenses, the future, and the conditional. Prerequisite: 1810 or consent of instructor.
- 2820. SPANISH III HONORS.** (4-4-0). A comprehensive review of Spanish grammar, reading, discussion, and writing, and an introduction to Spanish and Latin American culture. Prerequisite: 2810 or consent of instructor.
- 2830. SPANISH IV HONORS.** (3-3-0). A thorough introduction to Hispanic literature and civilization. Prerequisite: credit for 2820 or consent of instructor.
- 3890. DIRECTED STUDY IN SPANISH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

Subtitles:

01-Aventuras Literarias

02-Culture Civilization I

03-Culture Civilization II

### SCHOLARS' STATISTICS (SSTA)

- 3810. HONORS APPLIED STATISTICS.** (3-3-0). Introduction to descriptive and inferential statistics with an emphasis on applications. Topics include Chi-square, G test, t test, Wilcoxon tests, Kruskal-Wallis test, and single, factorial, and nested analysis of variance. Practice using spreadsheets to perform statistical analyses. Prerequisite: 3 hours of MATH or SMAT. (Students may not receive credit for both SSTA 3810 and BUAD 2120 or PSYC 4400.)
- 3820. ESSENTIALS OF SPSS.** (1-1-0). Using SPSS to analyze data from undergraduate research projects. Data types, imputation; graphing; descriptive statistics; hypothesis testing; editing output. Prerequisite: SSTA 3810.

### SCHOLARS' TEXT & TRADITIONS (SCTT)

- 1810. TEXTS AND TRADITIONS I.** (3-3-0). An orientation to the University and the College, leading to an introduction to the methods and expectations of the texts and traditions sequence, a thematically organized close study of texts from the history of western thought. We then apply this approach to some of the major philosophical, scientific, literary, political and artistic works of the ancient world.
- 1820. TEXTS AND TRADITIONS II.** (4-4-0). A continuation of 1810. A thematically organized close study of texts from the history of western thought. Includes major philosophical, scientific, literary, political, and artistic works from the flowering of the ancient world up until the end of the early mediaeval period. Prerequisite: SCTT 1810.
- 2810. TEXTS AND TRADITIONS III.** (4-4-0). A continuation of 1820. A thematically organized close study of texts from the history of Western thought. Includes major philosophical, scientific, literary, political, and artistic works from the early medieval period to the rise of nation-states. Prerequisite: SCTT 1820.
- 2820. TEXTS AND TRADITIONS IV.** (4-4-0). A continuation of 2810. A thematically organized close study of texts from the history of Western thought. Includes major philosophical, scientific, literary, political, and artistic works from the enlightenment to the early twentieth century. Prerequisite: SCTT 2810.
- 3120. ADVANCED TEXTS AND TRADITIONS II.** (4-4-0). An advanced treatment of texts and topics covered in SCTT 1820. Prerequisite: SCTT 1810 and instructor approval.
- 3210. ADVANCED TEXTS AND TRADITIONS III.** (4-4-0). An advanced treatment of texts and topics covered in SCTT 2810. Prerequisite: SCTT 1820 or 3120 and instructor approval.
- 3220. ADVANCED TEXTS AND TRADITIONS IV.** (4-4-0). An advanced treatment of texts and topics covered in SCTT 2820. Prerequisite: SCTT 2810 or 3210 and instructor approval.
- 3810. TEXTS AND TRADITIONS V, DEMOCRATIC VISTAS: THE IDEA OF AMERICA.** (4-4-0). Major documents from the American cultural tradition, including works by Winthrop, Edwards, Franklin, Jefferson, Tocqueville, Hawthorne, Thoreau, Fuller, Dickinson, Mark Twain, Charles Ives, Jasper Johns, Faulkner, Toni Morrison, and others. Prerequisite: SCRT 181W.



## SCIENCE (SCI)

For Undergraduates Only

- 1010. BASIC CONCEPTS OF PHYSICAL SCIENCE I.** (3-3-0). Basic concepts of physics and chemistry. (May not receive credit for both Science 1010 and Chemistry 1030 or 1070.)
- 1020. BASIC CONCEPTS OF BIOLOGICAL SCIENCE I.** (3-3-0). Chemical basis of life, cell structure and specialization, cellular respiration, photosynthesis, patterns of inheritance, nature and action of genes, simplified classification and evolution of plants, and organismic processes. (Students may not receive credit for both Science 1020 and Biology 1010.)
- 1030. INTRODUCTION TO BASIC SCIENCE FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). Science with an introduction to basic biology, chemistry, and scientific calculations for those who are not prepared to take a beginning course in biology or chemistry. (This course cannot be used to satisfy the science requirements in any curriculum.)
- 1120. BASIC CONCEPTS OF ASTRONOMY.** (3-3-0). Celestial mechanics; gravitation and Kepler's Law; solar system; stars. Prerequisite: MATH 1020 or equivalent.
- 2000. BASIC CONCEPTS IN ENVIRONMENTAL SCIENCE.** (3-3-0). Introductory environmental science with emphasis on how human activities impact global warming and other effects on air, water, and soil. Prerequisite: SCI 1020.
- 2010. BASIC CONCEPTS OF PHYSICAL SCIENCE II.** (3-3-0). Basic concepts of astronomy and earth science, selected topics from contemporary science. Prerequisite: 1010. (May not receive credit for both Science 2010 and Chemistry 1040.)
- 2020. BASIC CONCEPTS OF BIOLOGICAL SCIENCE II.** (3-3-0). Basic biological principles with emphasis on organismal biology, evolution, ecology, and environmental concerns. Prerequisite: 1020. (Students may not receive credit for both Science 2020 and Biology 1020.)
- 4880. BIOMATERIALS IN HEALTHCARE: ENGINEERING AND MARKET.** (3-3-0). This course integrates materials science, engineering, biology, and medicine to develop innovative engineering materials. It focuses on cutting-edge biomaterials for healthcare applications, commercialization process, psychological aspects, and includes ethical, societal, and environmental considerations to enhance student skills and knowledge to advance materials research and bring innovations to market. Prerequisites: MATH 2010 or similar and MATH 2050 or similar.

## SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

For Undergraduate Only

- 3900. SPECIAL TOPICS IN STEM.** (1 to 3-1 to 3-0). In depth study of various upper-level elective topics in STEM; in particular, those not included explicitly among the catalog listings. Prerequisite: Instructor permission. This course may be repeated any number of times, but no more than 9 credit hours may be applied toward a B.S. degree.

For Graduates Only

- 5000. PYTHON FOR MACHINE LEARNING AND DATA ANALYSIS** (3-3-0). This course introduces Python programming with a focus on scientific computing, data analysis, and visualization. Students will gain proficiency in essential Python libraries such as NumPY, SciPy, Matplotlib, Pandas, and Seaborn. The course also emphasizes best coding practices and introduces basic parallel computing techniques. Prerequisite: Basic programming knowledge.

- 5010. MACHINE LEARNING FOR SCIENCE AND ENGINEERING.** (3-3-0). This course offers a practical introduction to machine learning (ML), with a strong emphasis on scientific and engineering applications. Students will explore core ML algorithms and apply them to real-world case studies using Python libraries such as scikit-learn, TensorFlow, and PyTorch. Emphasis is placed on developing models, evaluating performance, and interpreting results in the context of fields such as physics, chemistry, and engineering. Prerequisite: STEM 5000, linear algebra, and probability.

- 5020. DEEP LEARNING: NEURAL NETWORKS AND ARCHITECTURES.** (3-3-0). This course introduces the foundational concepts, structures, and training techniques of deep learning. Students will explore neural network architectures including feedforward neural networks, convolutional neural networks (CNNs), and recurrent neural networks (RNNs), with a strong emphasis on implementation using TensorFlow and PyTorch. The course focuses on applications relevant to scientific and engineering problems such as image recognition, time-series analysis, and modeling of physical systems. Prerequisite: STEM 5000.

- 5030. INTRODUCTION TO NATURAL LANGUAGE PROCESSING.** (3-3-0). This course introduces fundamental techniques and tools in natural language processing (NLP), covering both classical and modern approaches. Students will explore text representation, sequence modeling, and machine learning methods used in NLP tasks. Emphasis is placed on applications relevant to scientific text analysis, data extraction, and computational linguistics. Students will implement NLP models using Python and industry-standard libraries. Prerequisite: STEM 5000.

- 5040. ADVANCED DEEP LEARNING.** (3-3-0). This advanced course explores frontier topics in deep learning with a focus on generative models and their applications in scientific and engineering domains. Students will study the architecture and training of models such as variational autoencoders (VAEs), generative adversarial networks (GANs), and diffusion models. The course also introduces reinforcement learning and physics-informed neural networks (PINNs), emphasizing their use in generative design, simulation-based learning, and material discovery. Python-based implementation using TensorFlow and PyTorch is integrated throughout the course. Prerequisite: STEM 5020.

- 5050. ADVANCED NLP AND LLM.** (3-3-0). The course explores advanced topics in natural language processing (NLP), with a focus on transformer-based architectures and large language models (LLMs). Students will learn to fine-tune, evaluate, and deploy models such as BERT and GPT for tasks including text generation, summarization, and scientific information retrieval. The course emphasizes applications in scientific, engineering, and medical domains with integrated instruction on ethical AI deployment, model interpretability, and safety guardrails. Prerequisites: STEM 5020 and STEM 5030.

- 5060. RESPONSIBLE AI APPLICATIONS.** (3-3-0). This advanced course integrates AI optimization strategies with principles of responsible AI and system deployment. Students will learn how to formulate, develop, and operationalize AI solutions for scientific and industrial challenges. The course covers optimization techniques, AI fairness, model interpretability, and MLOps tools. Emphasis is placed on ethical design, safety guardrails, and long-term monitoring. A culminating capstone project will require students to design and deploy a responsible, production-ready AI system within a chosen domain. Prerequisite: STEM 5040 or STEM 5050.

- 5100. MATH METHODS IN THE SCIENCES.** (3-3-0). This course introduces advanced mathematical methods applied in the physical and life sciences, with an emphasis on symbolic, numerical, and graphical computation using Wolfram Mathematics and WaveMetrics Igor Pro. Students will develop robust modeling, simulation, and analysis skills to solve real-world problems, including systems of differential equations, Fourier and Laplace transforms, statistical analysis, and data fitting. Prerequisite: Undergraduate-level Calculus or consent of instructor.
- 5110. ADVANCED INSTRUMENTAL ANALYSIS.** (3-1-2). This advanced undergraduate/graduate-level course provides an in-depth study of the principles and applications of modern instrumental techniques for chemical analysis. Emphasis will be placed on understanding the theoretical foundations of various analytical methods, optimizing experimental conditions, following standard federal protocols, and interpreting complex data. Topics include spectroscopy (UV-Vis, IR, NMR, fluorescence, Xray), mass spectrometry, chromatography, and emerging analytical techniques. The course will incorporate hands-on experience through laboratory work and data analysis, with a focus on problem-solving and method selection for real-world applications in research and industry. Prerequisite: CHEM 2120 or equivalent course.
- 5120. ENVIRONMENTAL LAW AND POLICY.** (3-3-0). This course prepares students for careers in environmental agencies by bridging law, policy, and science. Topics focus on regulatory frameworks, permitting, compliance strategies, risk assessment, and the role of scientists in enforcement and policymaking. Students will develop robust modeling, simulation, and analysis skills to solve real-world problems, including case studies and simulation mirror real-world DEQ/EPA task. Prerequisite: Instructor Permission.
- 5130. ADVANCED ENVIRONMENTAL CHEMISTRY.** (3-3-0). This course explores the chemical principles underlying the behavior of pollutants in the environment, including their sources, transport, transformation, and fate in air, water, and soil systems. Emphasis is placed on advanced topics such as redox chemistry, photochemistry, chemical kinetics, and equilibrium in natural systems. Students will analyze contemporary environmental issues through the lens of chemistry and gain proficiency in using analytical and computational tools. Prerequisites: CHEM 2160 and Chem 3210 or Consent from Instructor.
- 5140. ENVIRONMENTAL MICROBIOLOGY.** (3-3-0). This course focuses on applied environmental microbiology, emphasizing microbial processes critical to environmental quality and remediation. Key topics include geomicrobiology, microbial roles in biogeochemical cycling, aerobic and anaerobic hydrocarbon degradation pathways, microbial metabolism of pollutants, and advanced bioremediation techniques. Students will examine microbial strategies for degrading contaminants such as petroleum hydrocarbons, explore bioremediation approaches in contaminated environments, and gain insight into microbial community dynamics influencing these processes. The course prepares students for research and applied careers in microbial biotechnology and environmental remediation.
- 5200. INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING.** (3-3-0). This course introduces the fundamental principles of materials science, focusing on the relationship between the structure, properties, processing, and performance of materials. This course provided a comprehensive introduction to the field of materials science, which is essential for understanding the properties and applications of various materials used in engineering and technology. The course is designed to equip students with the knowledge and skills necessary to analyze and manipulate materials to meet specific engineering requirements.
- 5210. BIOMATERIALS IN HEALTHCARE: ENGINEERING AND MARKET.** (3-3-0). This course integrates materials science, engineering biology, and medicine to develop innovative engineering materials. The course focuses on cutting-edge biomaterials for healthcare applications commercialization process, psychological aspects. This course includes ethical, societal, and environmental considerations to enhance student skills and knowledge to advance materials research and bring innovations to market. Prerequisites: MATH 2010 or similar and MATH 2050 or similar.
- 5230. COMPUTATIONAL CONDENSED MATTER.** (3-3-0). Applying the essentials of computation, calculation methods, density functional theory, molecular dynamics to tackle real-world challenges. Explore the electronic, vibrational optic, and thermal properties of various materials, enhancing the proficiency in addressing practical applications. Prerequisite: Registration or credit in PHYS 4100.
- 5300. PRINCIPLES OF INTEGRATED BIOLOGY.** (3-3-0). This course serves as an introduction to the 'Integrative Biology' track within the Master's of STEM program at Northwestern State University. Emphasis is placed on understanding core concepts at different levels of biological organization (e.g., molecular, cellular, organismal, population, community, etc.) and developing students' abilities to synthesize information from myriad levels of the biological hierarchy into a coherent framework.
- 5310. INTRODUCTION TO DATA SCIENCE.** (3-3-0). This course introduces students to advanced techniques commonly used when working with large datasets. Topics covered include data visualization, data wrangling, predictive modeling, supervised and unsupervised learning, dimension reduction, visualization and manipulation of geospatial data, regular expressions, network analysis, and simulation. Prerequisite: STEM 5960.
- 5320. APPLIED GENOMICS.** (3-3-0). This course explores the structure, function, evolution, and diversity of viral, prokaryotic, and especially eukaryotic genomes. It also focuses on how high throughput sequencing technologies are used to implement a variety of techniques that are commonplace in modern genome science. Emphasis is placed on the strengths and weaknesses of different approaches and how to choose which approach is most appropriate in a given scenario. Experimental design of high throughput studies, the structure of the datasets produced, and how to visualize, interpret, archive, and manage large-scale biological datasets are also considered. Prerequisites: STEM 5300 and STEM 5310. Concurrent enrollment in one or both courses is acceptable.
- 5330. APPLIED PARASITOLOGY.** (3-0-3). Advanced practical study of techniques commonly used in parasitology. Includes classical techniques and molecular techniques.
- 5340. APPLIED PRINCIPLES OF WILDLIFE DISEASE.** (3-2-2). Study of infectious diseases affecting wildlife. The course will cover parasitic, fungal, bacterial, and viral agents infecting important mammals, birds and fish in the southeastern United States. The scope of the course will range from the study of basic concepts of disease patterns in wildlife to the practical applications employed by wildlife disease specialists.
- 5350. EVOLUTIONARY AND ECOLOGICAL APPLICATIONS.** (3-3-0). This course is a comprehensive overview of evolutionary and ecological concepts, methods and theories. Emphasis is placed on the application of these principles to real-world environmental and biological problems and fostering a deeper understanding of how evolutionary processes underpin ecological dynamics and vice versa. Prerequisites: STEM 5300 and STEM 5310. Concurrent enrollment in one of both courses is acceptable.

- 5360. MOLECULAR AND BIOCHEMICAL APPLICATIONS.** (3-3-0). This lecture course explains the use of and reasoning for key molecular and biochemical techniques used widely in academic, medical and industrial laboratories. Prerequisites: STEM 5960 and STEM 5970.
- 5370. PCR TECHNIQUES.** (3-0-3). Training in basic methodologies of polymerase chain reaction (PCR). This is a standalone laboratory class designed as a self-paced, hands-on, scientific approach to understanding the fundamentals of how PCR works. Prerequisites: BIOL 3270-3271 or credit in Genetics lecture and lab course.
- 5400. AUTOMATION AND CONTROL.** (3-3-2). Relay logic, programmable logic controllers, microcontrollers, and robots. Prerequisites: EET 3360-3361, 4300-4301.
- 5410. POWER SYSTEMS AND PROTECTION.** (3-3-0). Single phase and three phase circuits, generation of three phase electrical power, transmission and distribution of electrical power, study of power system faults, and application of relays for power systems protection. Prerequisites: EET 1320 and EET 1321.
- 5420. SUPPLY CHAIN MANAGEMENT.** (3-3-0). This course provides a comprehensive understanding of supply chain management (SCM) principles and practices across industries. Students will learn how to design, analyze, and manage supply chain networks to enhance organizational performance. Topics include logistics, sourcing, inventory control, distribution strategies, supply chain integration, risk management, and digital transformation in supply chains. Emphasis is placed on aligning supply chains with product life cycles and customer value. Prerequisite: Graduate standing.
- 5430. ADVANCED QUALITY OPERATIONS.** (3-3-0). This course provides a deep exploration of modern quality operations and industrial quality management systems. Emphasis is placed on measurement theory, statistical process control, error analysis, prediction models, sampling techniques, and tests of significance applied in quality assurance and continuous improvement. Students will examine both classical and contemporary approaches including Six Sigma, ISO standards, control charts, and reliability analysis. Prerequisite: STEM 5970.
- 5440. DECISION ANALYSIS.** (3-3-0). This course focuses on formulation and analysis of decision problems faced by engineers, managers, and analysts in complex environments. Topics include decision modeling, decision trees, decisions under uncertainty, risk analysis, utility theory, and multi-criteria decision-making. Students will develop and apply decision models using structured frameworks and computational tools. Emphasis is placed on real-world applications and the role of uncertainty, preferences, and trade-offs in decision processes. Prerequisite: STEM 5970.
- 5450. OPERATIONS MANAGEMENT.** (3-3-0). This course provides a comprehensive framework for designing, managing, and improving operational systems in manufacturing and service organizations. Topics include operations strategy, process design and reengineering, forecasting, inventory management, scheduling, capacity planning, quality control, and performance measurement. The course also introduces quantitative decision-making tools from operations research and computer-based simulation for analyzing and optimizing operational performance. Prerequisite: STEM 5970.
- 5960. RESEARCH METHODS.** (3-3-0). The course provides a practical, interdisciplinary approach to research methods, grounded in the principles presented in *The Craft of Research* (5<sup>th</sup> Edition). Designed for graduate students across STEM disciplines, it guides students through the full research process—from identifying meaningful questions and engaging with scholarly literature, to designing experiments, analyzing results, and presenting findings with clarity and purpose. Students will learn how to construct strong arguments, build evidence-based claims, and navigate the conventions of academic writing and scientific reasoning. Emphasis is placed on applying these skills directly to the student's own graduate project, with hands-on development of proposals, research strategies, and

communication tools. By the end of the course, students will be equipped not just to conduct research, but to contribute confidently to their professional and academic communities.

- 5970. STATISTICAL METHODS FOR STEM APPLICATIONS.** (3-3-0). This course explores the principles of probability, exploratory data analysis, experimental design and common inferential statistical techniques used in the natural and applied sciences. Emphasis is placed on the applications of these methods and practical considerations associated with their proper use. A major focus of the course is using the R statistical computing environment for methodological implementation and generation of high-quality scientific figures.
- 5980. RESEARCH PROJECT OR THESIS.** (1 to 6-0-0). This course includes developing the research project or thesis, as proposed and approved by the students' graduate committee. The research project or thesis must meet all requirements of the Graduate School. The student under the guidance of the major professor and graduate committee is required to propose, create, and write an individual thesis topic of appropriate focus, size, and complexity. This course may be repeated any number of times, but no more than six hours can be applied to a M.S. degree. Prerequisite: Requires consent from the director of STEM or the research mentor.
- 5990. GRADUATE SEMINAR.** (1-1-0). Seminar course focused on the scientific process and scientific communication. Students will apply the core principles of scientific and technical communication, including style, structure, organization, and presentation to develop and deliver an oral presentation based on their graduate or thesis project. Students will also attend presentations given by peers and experts to enhance their critical evaluation skills and broaden their general knowledge. This course may be repeated any number of times, but no more than 2 hours may be applied toward a M.S. degree. Prerequisite: Consent of STEM director or research mentor.

## SOCIAL STUDIES (SST)

For Undergraduates Only

- 3030. LOUISIANA STUDIES.** (3-3-0). Louisiana in the South and the Nation; the natural landscape; exploration and colonization by Europeans; economic, social, and political periods; Louisiana and Southern industrialization.
- 4020. SOCIAL SCIENCE SENIOR SEMINAR.** (3-3-0). Course prepares graduating Social Science students to enter the job market or graduate school. Includes sections on researching the job market, resume preparation, and interview techniques; as well as selecting graduate schools, preparing portfolios, and the application process. Also reviews common social science knowledge of critical thinking, research questions and designs, hypothesis testing and research ethics.
- 4980. SPECIAL TOPICS.** (3-3-0). Special offerings in the Social Sciences. May be repeated for credit when the topic varies. Prerequisite: Consent of Instructor.  
Subtitles:  
01– The Harlem Renaissance  
02– Globalization

## SOCIAL WORK (SOWK)

For Undergraduates Only

- 12000. EXPLORING SOCIAL WORK.** (3-3-0). For non-majors who are interested in the helping professions, in gaining an understanding of the profession of social work or are considering social work as a major. This course is designed to explore the various facets of social work in society today and help dispel myths about social work. Topics include an overview of the profession, fields of practice including child welfare, school-based services, health care and mental health, addictions, criminal justice, income security, social work with older adults, social work in the political arena, and related areas.

- '2010. CRITICAL THINKING AND WRITING IN SOCIAL WORK.** (3-3-0). This course is designed to assist students in mastering competencies in critical thinking through an introduction to writing for the social sciences. Proper use of the American Psychological Association (APA) style of writing is highlighted through the examination and development of manuscripts and literature reviews.
- '2090. INTRODUCTION TO POLICY AND RESEARCH.** (3-3-0). This course presents an introductory overview of policy and research. Content includes historical and modern understandings of social policy and foundational concepts of research and scientific inquiry.
- '2100. SOCIAL WORK AS A PROFESSION.** (3-3-0). The course presents social worker roles initiating social change and social work practice with marginalized population. Foundational social work theories and interventions are examined from a generalist philosophy using micro, mezzo, and macro perspectives. The National Association of Social Workers Code of Ethics is introduced, and ethical dilemmas are explored. This course is designed to meet the requirements of the social work major, as well as a social science elective for most majors.
- '3010. SPECIAL TOPICS IN SOCIAL WORK.** (3-3-0). Students study issues and concerns important to the social work profession not ordinarily covered in other courses. Offered in response to the special interests of faculty and students. Topic(s) to be announced in advance of registration. May be retaken to a total of 9 credits when topics vary. Prerequisite: At least junior standing.
- '3030. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I.** (3-3-0). This course is an exploration of human growth and development within the social contexts of micro, mezzo and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from conception through middle childhood. Prerequisite: PSYC 1010. SOWK majors only.
- '3040. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II.** (3-3-0). This course is an exploration of human growth and development within the social contexts of micro, mezzo and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from adolescence through very late adulthood. Prerequisite: SOWK 3030. SOWK majors only.
- '3060. SOCIAL WORK PRACTICE WITH OLDER ADULTS.** (3-3-0). Examines the realities of aging and theoretical and practice-based responses used across social work, healthcare, counseling, and human services settings. Students examine economic, social, psychological, and health-related concerns affecting aging populations, with particular attention to vulnerable elders, including women and racial and ethnic minorities, and practice approaches spanning individual support to community intervention. Prerequisite: Junior standing.
- '3070. SOCIAL WORK VALUES AND ETHICS.** (3-2-0). Analysis of the values and ethics of the social work profession, with exploration of models of ethical decision-making, NASW Code of Ethics and legal statutes governing and affecting the practice of social work. Student will implement the key social work value of social justice to guide ethical decision making, leading to anti-racist social work practice at all system levels. Prerequisites: SOWK 3120 with a grade of "C" or better or SOWK 3120 as a corequisite.
- '3080. LOSS, GRIEF, DEATH AND DYING.** (3-3-0). This course explores encounters with and attitudes toward loss, grief, death, and dying from a bio-psycho-social-spiritual framework. Students will discover these concepts in the human life span from early childhood through late adulthood. Sensitivity to diversity and cultural patterns within American society will be addressed. The need to develop insight into one's own attitudes, beliefs, and reactions to engage in effective self-care and helping others in the coping process will be emphasized. Topics include funeral practices and rituals and attitudes toward death across history and in the U.S. today, mourning, coping, and legal matters.
- '3090. HUMAN DIVERSITY.** (3-3-0). This course examines the cultural, physical, environmental, and socially constructed differences in people. This class explores the social, political, emotional, and economic implications of human diversity in the social environment. SOWK majors only.
- '3120. GENERALIST PRACTICE WITH INDIVIDUALS.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice. Establishment of professional relationships and skills applicable to multi-level systems emphasizing individuals. Specific attention paid to problem solving and the roles of generalist social work. Prerequisite: Admission to the Professional Social Work Program.
- '3130. GENERALIST PRACTICE WITH GROUPS.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice. Establishment of professional relationships and skills applicable to multi-level systems emphasizing groups across the life span. Specific attention paid to the professional development of use of self within the context of a diverse society. Prerequisite: SOWK 3120 with a grade of "C" or better.
- '3140. GENERALIST PRACTICE WITH COMMUNITIES AND ORGANIZATIONS.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice. Establishment of professional relationships and skill applicable to multi-level systems emphasizing community and organizations. Specific attention paid to issues of social and economic justice. Prerequisite: SOWK 3120, SOWK 3130 and SOWK 3150 with a grade of "C" or better.
- 3150. GENERALIST PRACTICE WITH FAMILIES.** (3-3-0). Social work processes, concepts and theories applied to generalist practice with families. Establishment of professional relationships and skill applicable to multi-level systems emphasizing families across the lifespan. Specific attention paid to empowering family members and the family system to strengthen relationships and negotiate their social context. Prerequisite: SOWK 3120 with a grade of "C" or better.
- '3180. TECHNIQUES OF INTERVIEWING.** (3-3-0). Interviewing skills for working with various client systems. Development of self-awareness and the use of self in generalist social work practice. Prerequisite: 3120 with a grade of "C" or better.
- 3200. CASE MANAGEMENT FOR HUMAN SERVICES.** (3-3-0). This course teaches the knowledge, values, and skills to provide case management services to client populations within the human service fields. Special attention will be given to meeting the needs of diverse and vulnerable populations. Settings that will be discussed include child welfare, criminal justice, physical and mental health, community practice, among others.
- '3350. ECONOMICS AND SOCIAL WORK.** (3-3-0). This course examines the structure, function and interaction of economics, politics and social welfare. The nature and scope of the U.S. economic and political system is presented. Social welfare policy is placed within the context of economic and political demands. Selected social welfare problems are surveyed and examined, e.g. poverty, unemployment, income distribution, economic inequality, health issues, and discrimination. Prerequisite: SOWK 2090.

- <sup>1</sup>4030. STATISTICS IN SOCIAL WORK RESEARCH.** (3-3-0). Descriptive and inferential statistics for social workers. Levels of measurement, measures of central tendency and variability, cross tabulation analysis, correlation, and hypothesis testing including chi-square, analysis of variance, and multiple correlation and regression analysis. Prerequisites: MATH 1060 or 2050 or SMAT 1820 or SMAT 1830 and SOWK 3120 with a grade of "C" or better.
- <sup>1</sup>4040. SOCIAL WORK RESEARCH METHODS.** (3-3-0). The fundamentals of social work research, practice and program evaluation. Quantitative and qualitative methods of problem formulation, measurement, research design, observation, and analysis of data for social workers. Corequisite: 4190. Prerequisites: 3130, 4030.
- <sup>1</sup>4050. PREPARATION FOR MARRIAGE AND FAMILY LIFE.** (3-3-0). Factors necessary for adequate marriage preparation; dating, engagement and the communications process. Elements of successful family life; causes of marital breakdowns; significance of the self-concept in marital adjustment. Prerequisite: Junior standing.
- <sup>1</sup>4190. FIELD WORK.** (6 to 12-0-0). Sixteen to 32 hours per week directed field practice education in a social service agency and a two-hour weekly seminar integrating theory and field instruction. Placement concurrent with other classes, depending on option 4a or 4b below. Social work majors only. Prerequisites: (1) A cumulative grade point average (GPA) of 2.5 in all social work courses undertaken and an overall GPA of 2.0. (2) Completion of all required 1000-level courses. (3) Completion of Social Work 2010, 2090, 2100, 3030, 3040, 3070, 3120, 3130, 3150, 3180. (4a) Under Option 1, one-semester field instruction: No more than 18 academic hours remaining in degree requirements. (4b) Under Option 2, two-semester field instruction: No more than 33 academic hours remaining in degree requirements.
- 4200. TRAUMA: KNOWLEDGE AND SKILLS ACROSS PRACTICE SETTINGS.** (3-3-0). Students will gain knowledge and skills to help them understand trauma and its impact across systems. Students will increase knowledge of skills and resources used to address client issues through a trauma lens to assist in growth and resilience. Prerequisite: Junior Standing.
- <sup>1</sup>4220. PERSONAL DEVELOPMENT AND SELF-CARE.** (1 to 3-3-0). This course is of benefit to any student, and especially useful for those entering the helping professions, where a disciplined use of "self" is critical in working with others. Topics may include personality development, values, interpersonal communication, relationships, assertiveness, intimacy, personal and professional identity, wellness, time and stress management, burnout, loss and spirituality, with an emphasis on their application to self-evaluation and growth. Prerequisite: Junior or senior standing or permission of the instructor.
- <sup>1</sup>4230. INTRODUCTION TO CHILD WELFARE.** (3-3-0). General introduction to major topics in child welfare, including historical and philosophical foundations, protective services, guardianship, services in the home, out-of-home care, child advocacy, and related topics. Prerequisite: Junior standing.
- <sup>1</sup>4240. HUMAN SEXUALITY.** (1 to 3-3-0). Dynamics of human sexual development; the whole person and adjustment at critical life stages; management of sexual maladjustment difficulties; approaches to sex education. Prerequisite: Senior standing or consent of instructor.
- <sup>1</sup>4250. WORKING WITH COUPLES.** (3-3-0). This course provides skills for basic counseling with couples. Information, such as couple assessments, teaching communication techniques, healing interventions and termination will be addressed. In addition to this, special topics such as extra-marital affairs, spousal abuse, and interracial marriages will be covered. Prerequisite: Junior standing.

- <sup>1</sup>4260. UNDERSTANDING CHILD ABUSE AND NEGLECT.** (3-3-0). Effects of physical, sexual, and emotional abuse on children; causes and consequences of neglect; approaches to the prevention of child abuse and neglect, permanency planning, foster care, adoption, and institutional services, family preservation, and related topics. Prerequisite: Junior standing.
- <sup>1</sup>4270. CHILD WELFARE AND THE LAW.** (3-3-0). Legal authority for child welfare programs, juvenile and family courts, testifying in court, important court decisions in child welfare, review of the Louisiana Children's Code, and related topics. Prerequisite: Junior standing.
- <sup>1</sup>4280. FAMILY SERVICES.** (3-3-0). Family systems theory, cultural diversity and family systems, life cycle of the family, functional dysfunctional families, coping with separation, loss, and grief, intervention strategies and techniques, and related topics. Prerequisite: Junior standing.
- <sup>1</sup>4310. DOMESTIC VIOLENCE.** (3-3-0). Theories of domestic violence will be reviewed, the history of the battered women's movement, policies addressing domestic violence will be surveyed, prevention and intervention practice models will be discussed, and research on domestic violence will be reviewed.
- <sup>1</sup>4350. ANALYSIS OF CONTEMPORARY SOCIAL POLICY ISSUES.** (3-3-0). Contemporary social policy issues will be examined and analyzed from varying perspectives. Evaluation of the implementation of these contemporary policies will be examined in relationship to populations at risk. Prerequisite: 2090.
- <sup>1</sup>4370. STRESS MANAGEMENT.** (3-3-0). Nature of stress and burnout. Identification and evaluation of psychological and environmental stressors. Techniques and strategies for coping with stress. Prerequisite: Junior standing or consent of instructor.
- <sup>1</sup>4800. PRACTICE IN ADDICTIVE DISORDERS.** (3-3-0). Understanding of the etiological, epidemiological, physiological, and psychological aspects of substance abuse. Major theoretical underpinnings of both the addictive process and treatment protocols of alcohol, drug and tobacco use/abuse problems as related to individuals, families, groups and communities.
- <sup>1</sup>4900. DIFFERENTIAL DIAGNOSIS IN SOCIAL WORK.** (3-3-0). This course examines maladaptive patterns of mental functioning. The course provides advance level study of the range of psychopathology, issues involved in the classification of mental disorders, and the implications for professional social work intervention. Prerequisite: Senior standing and consent of instructor.

<sup>1</sup> Social Work courses can be used as social science electives.

For Graduates Only

- 5000. HUMAN DIVERSITY AND ANTI-OPPRESSION IN SOCIAL WORK PRACTICE.** (3-3-0). This course examines the cultural, physical, environmental, and socially constructed difference in people. Social dynamics of human oppression; effects of institutional discrimination, inequality, stigma, and prejudice stemming from racism, sexism, LGBTQIA+ oppression, ageism, ableism, classism and all forms of oppression will be addressed. The social work response, including advocacy and anti-oppressive responses, will be introduced for generalist social work practitioners. Graduate social work students only.
- 5100. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I.** (3-3-0). This course is an exploration of human growth and development within the social contexts of micro, mezzo and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from conception through middle childhood and will prepare generalist social work practitioners to engage with individuals within all system levels. Graduate social work students only.

- 5120. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II.** (3-3-0). This course is an enhanced exploration of human growth and development within the social contexts of micro, mezzo, and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from adolescence through very late adulthood and will prepare generalist social work practitioners to engage with individuals within all system levels. Prerequisite: 5100.
- 5200. ETHICAL AND COMPETENT GENERALIST SOCIAL WORK PRACTICE I.** (3-3-0). This course is an introduction to social work theory, principles, values, ethics, and intervention skills common to social work practice with individuals and families, with emphasis on the Generalist Intervention Model. This course will prepare generalist social work practitioners to engage in ethical decision making using NASW Code of Ethics. Graduate social work students only.
- 5220. ETHICAL AND COMPETENT GENERALIST SOCIAL WORK PRACTICE II.** (3-3-0). This course is an enhanced exploration of ethical and competent generalist social work practice and presents the techniques of working with various types of groups including treatment groups and planning action groups; community organization techniques and groups designed to address issues related to diversity, equity, inclusion, and oppression. This course builds upon the foundation of ethical decision making in SOWK 5200 and will utilize the NASW Code of Ethics to engage in anti-racist and anti-oppressive social work practice. Prerequisite: 5200.
- 5300. FOUNDATION OF SOCIAL WELFARE HISTORY, POLICY, AND PROGRAMS.** (3-3-0). This course addresses the development of social work as a profession including social welfare policies and programs from a historical lens to present. The exploration of social policy and policy formation will be discussed from an anti-racist and oppressive perspective with an analysis of equity and inclusion. Graduate social work students only.
- 5400. FOUNDATION OF SOCIAL WORK RESEARCH METHODS.** (3-3-0). This course presents the fundamentals of social work research, practice, and program evaluation. Quantitative and qualitative methods of problem formulation, measurement, research design, observation, and analysis of data for social workers are explored. Graduate social work students only.
- 5500. CLINICAL ASSESSMENT AND DIFFERENTIAL DIAGNOSIS.** (3-3-0). This course explores social work assessment of individuals and examines maladaptive patterns of mental health functioning. The course provides advance level study of the range of psychopathology, issues involved in the classification of mental disorders, the implications for professional social work intervention, and substance use disorders. Graduate social work students only.
- 5600. FIELD PRACTICUM I.** (3-2-12). 200 clock hours-Students are required to work 200 hours in directed field practice education in a social service agency and attend a two-hour weekly seminar integrating theory and field instruction. Placement concurrent with SOWK 5000, 5100, 5200, and 5400. Graduate social work students only.
- 5620. FIELD PRACTICUM II.** (3-2-12). 200 clock hours-Students are required to work 200 hours in directed field practice education in a social service agency and attend a two-hour weekly seminar integrating theory and field instruction. Completion of SOWK 5220 and concurrent with SOWK 5120, 5200, 5220, and 5500 required. Graduate social work students only.
- 6000. SOCIAL WORK SUPERVISION, LEADERSHIP, AND ADMINISTRATION.** (3-3-0). This course will utilize anti-racist, diverse, equitable and inclusive concepts to assist students in the development of knowledge, skills, and values necessary for advanced practice focusing on the social work roles of supervision, leadership, and administration. Graduate social work students only.
- 6200. ADVANCED SOCIAL WORK PRACTICE I: INDIVIDUAL, FAMILY, & GROUP TECHNIQUES.** (3-3-0). This course will explore advanced methods of evidence-based practice with individuals, families, and groups. Treatment approaches explored in this course are derived from a variety of theoretical models with specific focus on Systems and Ecological Theory, as well as theories related to social justice and equity. Graduate social work students only.
- 6220. ADVANCED SOCIAL WORK PRACTICE II: COMMUNITIES, ORGANIZATIONS, AND MACRO TECHNIQUES.** (3-3-0). This course will explore knowledge, skills, and values of advanced macro level social work practice with a focus on complex skills in community development, economic development, and organizational change in multiple service environments. This course will identify and address systemic-level discrimination and oppressive practices and provide advanced generalist social workers with the knowledge and skills to engage in anti-oppressive practices to effect macro level change. Graduate social work students only.
- 6300. SOCIAL, ECONOMIC, AND ENVIRONMENTAL JUSTICE: ADVANCED ADVOCACY.** (3-3-0). This course will prepare advanced generalist social workers with the knowledge and skills needed to effect change at the policy level by exploring the dimensions and patterns of social policy. It will focus on policy analysis with emphasis on skills in legislative advocacy and decision making related to social policy in current issues, problems, and trends. This course will focus on policies derived at the local, state, and federal government decision-making levels. Prerequisite: SOWK 5300.
- 6400. ADVANCED RESEARCH METHODS: PROGRAM AND PRACTICE EVALUATION.** (3-3-0). This course will prepare advanced generalist social workers with the knowledge and skills needed to effect change at the policy level by exploring the dimensions and patterns of social policy. It will focus on policy analysis with emphasis on skills in legislative advocacy and decision making related to social policy in current issues, problems, and trends. This course will focus on policies derived at the local, state, and federal government decision-making levels. Prerequisite: SOWK 5300.
- 6500. TRAUMA-SPECIFIC PRACTICE IN MENTAL HEALTH AND ADDICTION SERVICES.** (3-3-0). This course will examine the intersectionality of trauma, mental health and addictions. Areas of focus will include trauma informed practice, in addition to approaches for the treatment of mental health and addictive disorders. Graduate social work students only.
- 6600. ADVANCED GENERALIST FIELD PRACTICUM I.** (3-0-13). Addresses all competencies through a work-based learning experience. This course is an advanced application of social work principles and practice skills in a human services environment with a specific population. Field experiences in an appropriate off-campus setting are required for a total of 250 clock hours in the practicum. Completion of SOWK 5610 and concurrent with 6000 and 6200 required. Graduate social work students only.
- 6620. ADVANCED GENERALIST FIELD PRACTICUM II.** (3-0-13). 250 clock hours-This course will prepare advanced generalist practitioners with the necessary knowledge and skills to effectively work with communities experiencing a lack of equality. Physical and /or geographic inequities such as poverty, natural and man-made disasters, and environmental injustice will be discussed. Additionally, the impact of historic and generational trauma on communities will be identified and addressed.

- 6700. TRAUMA-INFORMED PRACTICE WITH CHILDREN AND FAMILIES.** (3-3-0). This course will examine how traumatic experiences impact children and families. It will provide advanced generalist social workers with knowledge and skills to engage in trauma informed approaches focusing on TF CBT to provide micro, mezzo and macro level change for individual and family systems. Graduate social work students only.
- 6800. PRACTICE WITH COMMUNITIES EXPERIENCING POVERTY, DISASTERS, AND ENVIRONMENTAL INJUSTICE, AND HISTORICAL AND GENERATIONAL TRAUMA.** (3-3-0). This course will prepare advanced generalist practitioners with necessary knowledge and skills to effectively work with communities experiencing a lack of equality. Physical and/or geographic inequities such as poverty, natural and man-made disasters, and environmental injustice will be discussed. Additionally, the impact of historic and generational trauma on communities will be identified and addressed.

## SOCIOLOGY (SOC)

For Undergraduates Only

- 1010. PRINCIPLES OF SOCIOLOGY.** (3-3-0). Human social relationships and processes; functioning of familial, recreational, religious, economic, political, and other social groups in contemporary society.
- 1015. SURVEY OF RACE IN THE U.S.** (3-3-0). Introduction to concepts of race and race-based inequalities in the U.S. This course examines how race concepts emerged, and, although they fail to explain human biological variation, remained prominent sources of stereotypes that are used to justify social inequities and discrimination, while obscuring material privileges.
- 2015. STANDING UP FOR EQUITY AND DIVERSITY.** (3-3-0). An introduction to techniques for successfully promoting for equity and diversity in a variety of social contexts, focused on the workplace, and on relevant civil rights and anti-discrimination law. Prerequisite SOC 1015 or ANTH 1015.
- 2020. SOCIAL PROBLEMS.** (3-3-0). Social problems of modern life, especially those related to changes in social organization; crime; racial conflicts, economic maladjustments resulting from modern industrialization; urbanization and population trends. Prerequisite: SOC 1010, Sophomore standing.
- 2030. SOCIOLOGY OF GENDER.** (3-3-0). This course examines the gender roles of contemporary men and women, particularly as they influence participation in the economy and the family. Exploring sociological perspectives on gender, paying particular attention to contemporary American society, will be the major emphasis of the course. Intersections of gender with the variables of race, class, and sexual orientation will also be examined.
- 3030. SOCIOLOGY OF SOCIAL MOVEMENTS AND TERRORISM.** (3-3-0). Examines non-institutional movements for social and political change, conditions for their emergence, recruitment and interaction processes. Prerequisite: SOC 1010.
- 3120. CLASSICAL SOCIOLOGICAL THEORY.** (3-3-0). This course presents and examines classical sociological theory, its construction, and its uses, as well as helping Sociology Majors expand critical skills in expressing theoretical thoughts and evaluating classical sociological theory. Students will read and write about the main branches of sociology and learn from both theorists and their critics.

- 3200. INTRODUCTION TO RESEARCH METHODS.** (3-3-0). Basic introduction to the logic, scientific perspective, and practice of research. Design of both qualitative and quantitative research methods, instruments, techniques, and issues are examined: ethics of research, presentation of findings, and related issues observed. Prerequisite: 6 hours of mathematics and SOC 1010, or consent of instructor.
- 3230. SOCIOLOGY OF DEVIANCE.** (3-3-0). Sociological theories of deviant behavior; with discussion of current research in mental illness, crime, cyber-crime, terrorism, sexual deviance, drug abuse, and suicide. Prerequisite: 1010.
- 3580. SOCIAL STRATIFICATION.** (3-3-0). An examination of social stratification in U.S. society with comparisons to other countries. The course explores different indicators of inequality, the social class system, theories of inequality, poverty, social mobility, and legitimization of inequality. It also explores racial and gender stratification. Prerequisite: 6 hours of sociology or consent of instructor.
- 4080. RACE AND CULTURE RELATIONS FOR PURE AND APPLIED SOCIOLOGY.** (3-3-0). Race as a biological and cultural concept; status of minority groups in contemporary societies; conditions in the U.S. Prerequisite: 1010 or consent of instructor.
- 4120. CONTEMPORARY SOCIOLOGICAL THEORY.** (3-3-0). Schools of sociological theory and their relationships; theories of European and American sociologists. Prerequisite: SOC 1010, junior standing or consent of instructor.
- 4170. QUALITATIVE RESEARCH METHODS.** (3-3-0). The course will familiarize undergraduates with the variety of qualitative research methods used by social scientists in the business world, in government, and among educators. Students will apply the methods to a series of research projects and learn the reciprocal influence between theory and research design. Individual research projects will directly apply these methods throughout the semester. The methods include focus group interviews, individual interviews, unobtrusive observation methods, ethnographic field research, varieties of participant and non-participant observation, case studies, oral histories, and sociometry. Ethical issues bearing on research procedures and research design tasks are also course topics. Prerequisite: 6 hours of sociology and junior status.
- 4190. ADVANCED SOCIAL RESEARCH METHODS.** (3-3-0). Research methods in the social sciences for sociologists, including statistics and computer-based multivariate analysis, Data entry and manipulation using a variety of data sources and methodologies. Prerequisite: SOC 1010 and junior standing.
- 4960. SOCIOLOGY INTERNSHIP.** (3-0-6). Field experience in applied sociology. Internships may take place at a variety of sites including community organizations, cultural heritage centers, museums, social service agencies, advocacy groups, research institutes, neighborhood development agencies, and archives. Students will engage in professional work that applies sociological theories and methods to real-world contexts. Students must identify and secure internships prior to enrolling in the course. A minimum of 33.5 contact hours is required per credit hour. Prerequisites: Approval of advisor/Program Coordinator and permission of course instructor.

## SONOGRAPHY (SONO)

- 3211. INTRODUCTION TO CLINIC.** (1-0-3). This course provides students with a supportive environment to develop essential hands-on skills for effective patient care and a foundational understanding of the clinical setting within the field of medical sonography. Prerequisites: Successful completion of the first three semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3810, SONO 3820, SONO 3320.

3300. **VASCULAR SONOGRAPHY I.** (3-2-3). Knowledge of venous and arterial anatomy, physiology, pathology, and clinical considerations necessary for practice in the vascular clinical setting. Emphasis is placed on cerebrovascular, upper extremity, and lower extremity circulation in this course. Laboratory scanning component is included. Prerequisites: Successful completion of the first six semesters of the Radiologic Sciences Ultrasound Curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing & School of Allied Health. Corequisites: SONO 3911 and SONO 4600.
3311. **CLINIC SONOGRAPHY I.** (3-0-15). Students will be supervised in a clinical education setting to perform sonographic examinations, patient care, and other related processes. Emphasis on professionalism, dependability, and sonographic examinations. Prerequisite: SONO 3320, SONO 3810, SONO 3820, SONO 3211; Successful completion of the first four semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: 3920.
3320. **FOUNDATIONS OF SONOGRAPHY AND PATIENT CARE.** (2-2-0). Provide students with the essential knowledge and skills required to deliver compassionate, safe, and effective patient care in the context of medical sonography. Explore the ethical, legal, and practical aspects of patient care in the sonography field. Students will learn to communicate effectively with patients, obtaining pertinent medical histories and addressing patient concerns with empathy and professionalism. Prerequisites: Successful completion of the first five semesters of the Radiologic Sciences Ultrasound Concentration or a baccalaureate degree in Radiologic Sciences or the consent of Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3810, SONO 3820, SONO 3211.
3810. **ABDOMEN SONOGRAPHY I.** (5-3-6). This course is the study of abdominal sonography, focusing on normal anatomy, physiology, and pathophysiology, as well as abnormal etiologies and diagnostic imaging techniques. Students will gain essential anatomic and pathologic knowledge directly relevant to clinical practice, with a focus on correlating sonographic findings to patient history, diagnosis, and physical examination. Laboratory component is included. Prerequisites: Successful completion of the first three semesters of the Radiologic Sciences Ultrasound concentration curriculum pattern or a baccalaureate degree in Radiologic Sciences with a Radiologic Technologist license or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3320, SONO 3211, SONO 3820.
3811. **CLINIC SONOGRAPHY II.** (4-0-20). Students will be supervised in a clinical education setting in order to perform sonographic examinations, patient care, and other related processes. Emphasis will be placed on improving clinical practice. Prerequisites: Successful completion of the first five semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. NB Corequisites: SONO 3900 and SONO 3910.
3820. **SONOGRAPHY PRINCIPLES AND INSTRUMENTATION I.** (3-3-0). General Physics including waves, acoustics, mechanical and electrical energy. Theoretical foundations and clinical applications of ultrasound physics and instrumentation, including Doppler principles, performance testing, and bioeffects. Prerequisites: Successful completion of the first three semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3810, SONO 3320 and SONO 3211.
3900. **GYNECOLOGY AND OBSTETRICS SONOGRAPHY I.** (3-2-3). Introduction to gynecology and first trimester obstetrics in sonography. Specific anatomic and pathologic information necessary for the clinical practice of gynecologic diagnostic medical sonography. Laboratory scanning components are included. Successful completion of the first five semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3811 and SONO 3910.
3910. **ABDOMEN SONOGRAPHY II.** (3-3-0). This course builds upon the study of abdominal sonography, focusing on normal anatomy, physiology, and pathophysiology, as well as abnormal etiologies and diagnostic imaging techniques. Students will gain essential anatomic and pathologic knowledge directly relevant to clinical practice, with a focus on correlating sonographic findings to patient history, diagnosis, and physical examination. Prerequisites: Successful completion of the first five semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3811 and SONO 3900.
3911. **CLINIC SONOGRAPHY III.** (3-0-15). Students will be supervised in a clinical education setting to perform sonographic examinations, patient care, and other related processes. Emphasis on professionalism, dependability, and sonographic examinations. Prerequisites: Successful completion of the first six semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3300 and SONO 4600.
3920. **SONOGRAPHY PRINCIPLES AND INSTRUMENTATION II.** (3-3-0). Advanced theoretical foundations and clinical applications of ultrasound physics and instrumentation, including Doppler principles, performance testing, and bioeffects. Prerequisites: Successful completion of the first four semesters of the Radiologic Sciences Ultrasound concentration curriculum pattern or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3311.
4510. **SONOGRAPHY SPECIAL PROCEDURES.** (2-2-0). Specific anatomic and pathologic information necessary for the clinical practice of basic musculoskeletal sonography and special procedures in abdominal, small parts, pediatric, and neonatal diagnostic medical sonography. Prerequisites: Successful completion of the first seven semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: SONO 4511.
4511. **CLINIC SONOGRAPHY IV.** (4-0-20). Students will be supervised in a clinical education setting in order to perform sonographic examinations, patient care, and other related processes. Prerequisites: Successful completion of the first seven semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: SONO 4510.
4600. **OBSTETRICS SONOGRAPHY II.** (4-3-3). Specific anatomic and pathologic information necessary for the clinical practice of obstetrics diagnostic medical sonography. Emphasis is placed on the second and third trimester in this course. Laboratory scanning component is included. Prerequisites: Successful completion of the first six semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 3300 and SONO 3911.



- 4611. CLINIC SONOGRAPHY V. (5-0-25).** Students will be supervised in a clinical education setting in order to perform sonographic examinations, patient care, and other related processes. Emphasis will be placed on advanced clinical practice and the ability to adapt to various clinical situations. Prerequisites: Successful completion of the first eight semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 4700.
- 4700. VASCULAR SONOGRAPHY II. (3-2-3).** Knowledge of venous and arterial anatomy, physiology, pathology and clinical considerations necessary for practice in the vascular clinical setting. Emphasis is placed on abdomen vascular, special circulations and testing, and cerebrovascular circulation in the course. Laboratory scanning component is included. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: SONO 4611.
- 4711. CLINIC SONOGRAPHY VI. (5-0-25).** Students will be supervised in a clinical education setting in order to gain knowledge and experience in selected specialties, including but not limited to general ultrasound, vascular sonography, and echocardiography. Prerequisites: Successful completion of the first nine semesters of the Radiologic Sciences Ultrasound concentration curriculum or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisites: SONO 4900 and SONO 4910.
- 4900. ABDOMINAL AND OB/GYN REGISTRY REVIEW. (4-4-0).** Advanced review of abdominal and OBGYN imaging concepts through structured mock exams, personalized study plans, and guided self-directed learning. Prerequisites: Successful completion of the first nine semesters of the Radiologic Sciences Ultrasound concentration curriculum pattern or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing and School of Allied Health. Corequisite: SONO 4711.
- 4910. OB/GYN REGISTRY REVIEW. (2-2-0).** Advanced application of anatomy and pathology of obstetrics and gynecology as seen with sonographic examination and case studies will be the focus of this course. Registry review will be included. Prerequisites: Successful completion of the first nine semesters of the Radiologic Sciences sonography curriculum pattern or a baccalaureate degree in radiologic sciences or the consent of the Dean of the College of Nursing & School of Allied Health. Corequisites: SONO 4900 and SONO 4711.

## SPACE SCIENCE (SPSC)

For Undergraduates Only

- 1010. SPECIAL TOPICS IN SPACE SCIENCE. (1-2-0).** Elementary concepts in space science. Open only to students designated as NASA Scholars. No more than four hours may apply toward degree requirements.

For Graduates Only

- 5120. INTRODUCTION TO SPACE FLIGHT FOR ELEMENTARY TEACHERS. (3-3-0).** The development of rocket flight from 1906 to 1970 by the major designers. Considerations for satellite design for earth or interplanetary flight. A brief study of the solar system and introduction to central force fields. Prerequisite: Six hours of mathematics and six hours of physical science.
- 5130. INTRODUCTION TO ASTROPHYSICS AND SPACE SCIENCE FOR SECONDARY TEACHERS. (3-3-0).** The solar system, celestial mechanics, stellar structure, galactic phenomena, and cosmology. Prerequisites: Two semesters of general physics, Mathematics 2100. The course will substitute for a physics course in a certification program for general science.

## SPANISH (SPAN)

For Undergraduates Only

- 1010. INTRODUCTION TO SPANISH. (3-3-0).** Introduction to Hispanic culture and language using contemporary materials and techniques.
- 1015. SPANISH FOR HEALTH PROFESSIONS I. (3-3-0).** This course is designed for students in nursing, allied health or pre-med who want to learn basic Spanish as related to their daily activities. Spanish for Health Professions I is an introductory course in Spanish for those students who have no background in the study of Spanish. The course is designed to give the student a basic knowledge of the Spanish language in the medical field.
- 1020. BEGINNING SPANISH. (3-3-0).** Basic conversational Spanish through the discovery of vocabulary, grammar, and culture. Prerequisite: SPAN 1010.
- 1025. SPANISH FOR HEALTH PROFESSIONS II. (3-3-0).** This course is a continuation of Spanish for Health Professions I. It is designed for nursing, allied health, and pre-med students who want to learn Spanish as related to their daily activities. Spanish for Health Professions II is designed to give students an intermediate knowledge of the Spanish language in the medical field. Prerequisite: 1015.
- 2010. ELEMENTARY SPANISH. (3-3-0).** Conversational Spanish through the continued study of vocabulary, grammar, culture, and reading. Prerequisite: SPAN 1020.
- 2020. INTERMEDIATE SPANISH. (3-3-0).** Intermediate conversational Spanish through the advanced study of Hispanic cultures. Prerequisite: 2010.
- 2990. DIRECTED READING. (3-3-0).** For students pursuing a Spanish minor. May not be repeated. Does not satisfy 12 semester hour foreign language requirement.
- 3060. SPANISH GRAMMAR AND COMPOSITION I. (3-3-0).** Spanish grammar and syntax; oral pattern drills and the writing of original compositions.
- 3070. SPANISH GRAMMAR AND COMPOSITION II. (3-3-0).** Continuation of 3060. Prerequisite: 3060.
- 3080. SPANISH CONVERSATION. (3-3-0).** Concentrated practice on the oral phases of the language.
- 3085. SPANISH FOR HEALTHCARE: ADVANCED CONVERSATION. (3-3-0).** The primary goal of SPAN 3085 is to provide students with intermediate/advanced healthcare conversational skills in Spanish. Prerequisite: SPAN 2020.
- 3090. SPANISH CONVERSATION. (3-3-0).** Continued concentrated practice on the oral phases of the language.
- 3100. SURVEY OF SPANISH LITERATURE FROM THE MIDDLE AGES THROUGH THE 17TH CENTURY. (3-3-0).** Forces behind the literature; outstanding examples of the literature.
- 3110. SURVEY OF SPANISH LITERATURE FROM THE 18TH CENTURY TO MODERN TIMES. (3-3-0).** Forces behind the literature; outstanding examples of the literature. Prerequisite: 3100.
- 3890. DIRECTED STUDIES. (3-3-0).** This directed study course is designed to enable advanced Spanish minors to pursue independent research under the guidance of a foreign language faculty member. This course will offer students the opportunity to work in a focused area and in an environment that allows for considerable individual attention. Prerequisite: Consent of the instructor.
- 4040. SPANISH IMMERSION. (3-3-0).** This course is specifically designed for students studying abroad (in Spain or a Hispanic country) for a semester. This course will develop cross-cultural awareness in an immersion setting. This course will focus on a semester-long research project. Prerequisite: SPAN 3080 or approval of instructor.

- 4210. SPANISH CULTURE AND CIVILIZATION.** (3-3-0). Integration of historical, political, social, and artistic strata in Spanish culture.
- 4220. TRANSLATION.** (3-3-0). An analytic approach to the structures of Spanish and English; strategies and techniques for the translation of texts; emphasis on topics of special interest. Prerequisite: SPAN 2020 or approval of instructor. Strongly recommended: SPAN 3060/3070 or 3080/3090.
- 4950. HISPANIC FILM.** (3-3-0). This course will give students an introduction to the history of film production throughout the Spanish-speaking world. Students will learn the basic elements of cinematic language while studying Hispanic films in their cultural and historical contexts. Issues such as nationalism, colonialism, immigration, gender, sexuality, and globalization will be explored. Taught in English. Prerequisite: ENGL 2070 or ENGL 2110.

## SPECIAL EDUCATION (SPED)

For Undergraduates Only

- 3460. INTRODUCTION TO THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). A survey of disabilities as defined under the IDEA, with emphasis on educational implications and inclusionary practices in school and community settings.

For Graduates Only

- 5070. SEMINAR IN SPECIAL EDUCATION: GIFTED.** (3-3-0). Review and critique of current literature and programs for gifted and talented children and adolescents.
- 5310. IDENTIFICATION AND ASSESSMENT IN EARLY INTERVENTION.** (3-3-0). Early intervention phases of assessment and on-going evaluation through multidisciplinary collaboration.
- 5320. FOUNDATIONS OF EARLY CHILDHOOD EDUCATION FOR YOUNG CHILDREN WITH DISABILITIES.** (3-3-0). Historical developments, early intervention rationale, literature concerning various placement centers, current law and due process procedures, trends and issues, model program studies, staffing and administrative concerns, community and parent concerns. Twenty contact hours as defined by certification standards.
- 5350. FAMILIES OF INDIVIDUALS WITH EXCEPTIONAL NEEDS.** (3-3-0). Theory and practice related to collaborating with families, stressing interpersonal skills required to develop and maintain the communication/organizational home-school interrelationships necessary for optimal educational planning for individuals with exceptional needs. Due process and parental rights guaranteed under the Individuals with Disabilities Education Act (IDEA). Requires 35 hours of clinical and field-based experiences.
- 5370. CURRICULUM AND METHODS FOR NON-CATEGORICAL EARLY CHILDHOOD SPECIAL EDUCATION.** (3-3-0). Overview of models of early intervention with varying philosophical bases, including their applicability and relevance for infant/toddlers/ preschool children with special needs. A study of developmental intervention curricula including language/communication and cognitive, physical, and social-emotional. Service delivery options will emphasize the least restrictive environment.
- 5380. CURRICULUM-BASED ASSESSMENT.** (3-2-2). Designed to provide teachers with the procedures and tools used to construct and administer curriculum-based assessments for instructional planning and evaluation of student performance. Requires 40 hours of clinical and field-based experiences.
- 5460. FIELD STUDY IN SPECIAL EDUCATION.** (6-6-0). Original field research project. Conducting a useful applied research study. The final product will be a written report on the research project.

- 5480. PRACTICUM IN ASSESSMENT.** (3-0-4). Administration of curriculum-based assessments for instructional planning and evaluation of student performance. Requires 60 hours of clinical and field-based experiences in conducting, reporting, and analyzing assessments.
- 5510. THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). Introduction to the study of individuals with disabilities. Common types of physical, learning, and behavior/emotional disabilities and implications for their life-long success in education and other settings.
- 5600. RESEARCH-VALIDATED INSTRUCTIONAL PRACTICES IN SPECIAL EDUCATION.** (3-2-2). Research-validated instructional and assistive technology practices for students with diverse learning strengths and needs in Grades 1–5, Grades 4–8, and Grades 6–12 for a minimum of 35 hours of clinical and field-based experiences.
- 5620. SPECIAL EDUCATION COMPLIANCE.** (3-3-0). Special education legislation, federal, and State of Louisiana.
- 5640. VOCATIONAL AND TRANSITION SERVICES FOR STUDENTS WITH EXCEPTIONAL NEEDS.** (3-3-0). Career development and transition education for students with exceptional learning needs. Curricular aspects and strategies for providing transition services for students with exceptional learning needs across the life span. Requires 10 hours of clinical and field-based experiences.
- 5830. TEACHING CREATIVE THINKING.** (3-3-0). Study and application of theories, models, assessment, and development of creativity in education.
- 5840. PSYCHOLOGY OF THE GIFTED.** (3-3-0). Philosophies, theories, models, and research in gifted education. Definitions and methods of identification, characteristics, personality development, and adjustment regarding the nature and needs of the gifted.
- 5860. TRENDS AND ISSUES IN CURRICULUM DEVELOPMENT FOR THE ACADEMICALLY GIFTED.** (3-3-0). Research and developments in educating the academically gifted, culminating with a research paper. Prerequisite: 5840 or consent of instructor.
- 5870. COUNSELING THE GIFTED.** (3-3-0). Designed to provide teachers and counselors with techniques for enhancing interpersonal relationships with gifted students. Emphasis on communication skills, counseling interventions, and specific strategies for facilitating emotional wellness and coping ability in gifted students. (Same as Counseling 5870).
- 5890. CURRICULUM AND METHODS FOR THE ACADEMICALLY GIFTED.** (3-3-0). Philosophy, aims, theories, organization, and development of curricula and individual education programs for academically gifted students. Review and critical evaluation of materials, techniques, strategies, curricula, and programs used for educating the gifted.
- 5900. PRACTICUM, ACADEMICALLY GIFTED.** (3-0-6). University-supervised participation in program designed to teach academically gifted students. May be repeated for a maximum of nine hours credit in order to obtain the student-contact hours required for state certification. Prerequisites: 5840 and 5860 or 5890 or consent of instructor, application required.
- 5920. TRENDS AND ISSUES IN SPECIAL EDUCATION.** (3-3-0). Current trends and issues, and philosophical concepts in special education.
- 5960. INTERACTIVE TEAMING AND PHYSICAL AND MEDICAL MANAGEMENT.** (3-3-0). Interactive strategies, effective communication and collaboration for teaming with families, schools, and interagency professionals to support individuals with exceptional needs in the least restrictive environment. In addition, effective physical and medical management techniques will be discussed and applied. Requires 35 hours of clinical and field-based experiences.

- 5970. PRECISION ASSESSMENT AND EVIDENCE-BASED DIAGNOSTIC AND PRESCRIPTIVE STRATEGIES PRACTICES.** (3-0-0). The study of formal and informal psychoeducational tests used with individuals with exceptional learning needs, psychoeducational interpretation of these tests, and the use of the evidence-based diagnostic and prescriptive teaching model based on the analysis of student strengths and needs.

### STATISTICS (STAT)

For Undergraduates Only

- 4060. INTRODUCTION TO DATA MINING.** (3-3-0). This course will introduce students to data mining algorithms and relevant software. Topics include clustering, regression models, classification, training, cross-validation, and model comparison. Prerequisites: CSC 1060; BIOL 3060 or MATH 2050.
- 4270. MATHEMATICAL STATISTICS I.** (3-3-0). Variance; moments; transformations of random variables; sampling distributions; point estimation; inferences; hypothesis testing; linear regression. Prerequisite: Mathematics 3150.
- 4280. REGRESSION ANALYSIS.** (3-3-0). Multiple linear regressions; non-linear regressions; linear time series models; autoregressive time series models; testing of models; hypothesis testing; estimation and forecasting. Prerequisite: STAT 4270.

### STUDENT AFFAIRS IN HIGHER EDUCATION (SAHE)

For Undergraduates Only

- 1010. IDENTITY AND INTERPERSONAL SKILLS.** (3-3-0). This course is designed to engage students in personal introspection by learning proactive interpersonal skills and being challenged by their peers through discussion and experiential activities. This course will assist students with development of a personal identity, adjustment to college, and effective interaction with individuals and diverse groups.
- 1020. PEER MEDIATION AND LEADERSHIP DEVELOPMENT.** (3-2-1). Develop skills in peer mediation, helping competencies, leadership, communication, and knowledge of organizational procedures in potential college leaders. Prerequisite: Consent of instructor.
- 1030. PRACTICAL EXPERIENCE IN COLLEGE LEADERSHIP DEVELOPMENT.** (3-2-1). Continuation of SAHE 1020; this course will focus on development, presentation, and critique of projects related to leadership and organizational roles on the college campus. Prerequisite: SAHE 1020.
- 1040. BLACK MALE LEADERSHIP AND DEVELOPMENT.** (3-3-0). This course is designed to assist first year and continuing students maximize their success in college by addressing a variety of issues that often lead to failure or withdrawal as well as providing students with information and strategies to enhance their academic success.
- 2020. RESIDENT ASSISTANT SKILLS TRAINING.** (3-3-0). Acquisition of basic interpersonal and counseling skills, student development theory, methods and techniques of community building, educational and social programming, discipline, student government advisement, and multicultural competencies. Enrollment by permission of Department of Housing only.
- 4000. COLLEGE TO WORK TRANSITION SKILLS.** (3-2-2). A senior capstone interdisciplinary course that focuses on the process and psychology of the transition from undergraduate studies to the world of employment and to graduate studies. Designed to provide graduating students with a solid foundation of skills and abilities appropriate for making the transition. Prerequisite: Junior or senior standing.

For Graduates Only

- 5500. INTRODUCTION TO STUDENT AFFAIRS IN HIGHER EDUCATION.** (3-3-1). Introduction to the philosophies, competencies, and objectives of Student Affairs work in higher education.
- 5550. SUPERVISE EXPERIENCE/PRACTICUM.** (3-1-5). Supervised training opportunity to practice and demonstrate competencies in the practical application and integration of principles and methods which have been studied. Designed for students with limited to no experience in higher education. This course may not be used as a course elective and is not required for SAHE degree program. Prerequisite: Admission to the Student Affairs in Higher Education program; completion of 9 hours in SAHE courses with a 3.00; and permission of faculty.
- 5570. INTERNSHIP IN STUDENT AFFAIRS IN HIGHER EDUCATION.** (3-1-20). Practice and training in a specific area of Student Affairs Administration. Experience entails a minimum of 300 hours of service; development and implementation of programming to address an issue within the scope of the environment and is consistent with research proposed in EDUC 5010. Prerequisite: 15 hours of SAHE coursework with 3.00 and faculty permission.
- Subtitles:  
01-housing  
02-greek life  
03-career placement/development  
04-student activities  
05-financial aid  
06-registrar  
07-admission and recruitment  
08-auxillary services  
09-orientation  
10-veterans affairs  
11-properties and facilities  
12-advising  
13-student services  
14-external affairs  
15-research and development  
16-continuing education  
17-student athletic services  
18-disability services
- 5580. GROUP PROCESS.** (3-3-0). Principles and techniques of group procedures; interactions and roles played within groups; function of groups.
- 5920. THE AMERICAN COLLEGE AND STUDENT.** (3-3-0). Student development theory focusing on the developmental issues of college students and the impact of college environments upon students.
- 5930. ORGANIZATION AND ADMINISTRATION OF STUDENT AFFAIRS IN HIGHER EDUCATION.** (3-3-0). Leadership, management, finance, organization, and administration in student affairs in higher education. Prerequisite: SAHE 5500.
- 5940. SEMINAR IN STUDENT AFFAIRS AND HIGHER EDUCATION.** (3-3-0). Contemporary issues, trends, and research in student affairs. In-service activities will focus on professional ethics, standards, leadership, budgeting, compensation and benefits, campus environments and administration.
- 5950. HISTORY OF HIGHER EDUCATION.** (3-3-0). This course examines major events in the development of colleges and universities in the United States. Special attention will be given to how the events have impacted access to higher education of specific populations and specified states. The course examines contemporary issues in higher education by exploring the intersections of historical, philosophical, and sociological forces that have shaped and continue to shape U.S. higher education. Prerequisite: Admission to Graduate School.

- 5960. LEGAL AND ETHICAL ISSUES IN STUDENT AFFAIRS AND HIGHER EDUCATION.** (3-3-0). Overview of legal and ethical issues that arise in higher education. Special attention is paid to how the issues impact Student Affairs professionals.
- 5970. SEMINAR IN CURRENT ISSUES IN HIGHER EDUCATION AND STUDENT AFFAIRS.** (3-3-0). This course focuses on special topics in student affairs work in higher education; includes current challenges to unique types of institutions and populations and cutting edge issues occurring each semester. Prerequisite: SAHE 5500, 5950, and 5920.
- 5980. THESIS.** (3-0-3). Six hours maximum. This course will be required for students who have completed all required course work and are working on final paper requirement for degree. Course will not count as an elective or a required course. Prerequisite: permission of faculty.

## THEATRE (THEA)

For Undergraduates Only

- 1001. THEORY & SIGHT SINGING FOR MUSICAL THEATRE.** (2-0-3). Theory skills will be developed in the areas of rudimentary musical forms and terms; notes, note values, and other basic theory techniques. Ear training and sight singing skills will be developed using traditional techniques. Prerequisite: Consent of instructor. For majors/minors only.
- 2030. APPLIED THEATRE.** (1-0-1). Practical experience gained through participation in Northwestern Theatre productions and attendance of theatre meetings/events. For majors/minors only. May be repeated.
- 2140. CONCEPTS OF DESIGN.** (3-3-0). The academic and applied principles of design are pondered and explored in the visual and compositional aspects of Theatre. Majors/minors or consent of instructor.
- 2300. INTRODUCTION TO THEATRE ARTS.** (3-1-4). Provides students the opportunity to evaluate their personal fitness for the theatre profession while learning production organization and operations and developing an understanding of dramatic theory, genre and styles needed to effectively read plays and analyze the text. Production laboratory is required.
- 2310. STAGECRAFT I.** (3-1-4). Design and execution of basic scenic units; crew and shop organization; scene painting. Participation in University and/or laboratory production.
- 2320. ACTING TECHNIQUE I.** (3-1-2). Study and skills involved in stage acting; body; voice; scene study; ensemble work. Prerequisite: For majors/minors, non-theatre majors with consent of instructor.
- 2330. STAGECRAFT II.** (3-1-4). Rigging and handling scenery; design and execution of the floor plan; advanced construction techniques; logistics and budget. Prerequisite: 2310, and theatre majors only.
- 2340. VOICE FOR THE ACTOR I.** (2-0-3). Principles of vocal production applied to the development of characterization for the stage. Prerequisite: For majors/minors only.
- 2350. VOICE FOR THE ACTOR II.** (2-0-3). Advanced principles of vocal production applied to development of characterization for the stage. Added emphasis on period style and specialized vocal patterns (dialects). Prerequisites: For majors/minors only, THEA 2340 or consent of instructor.
- 2360. THEATRE HISTORY AND LITERATURE.** (3-3-0). Early through Classical-Origins of drama; evolution of the stage and staging practices from ancient drama through the beginnings of the medieval era. Includes reading and critical examination of selected major works throughout the period, examined in historical and social context. Prerequisite: Majors/minors or consent of instructor.

- 2370. DRAFTING FOR THEATRE.** (3-3-0). Understanding and creating theatre drafting; including floor plans, elevations, working drawings, sections and perspectives.
- 2380. STAGE COMBAT.** (3-3-0). Study of stage combat and violence. Techniques involving Rapier and Dagger, Quarter-staff, and Unarmed Combat. Prerequisites: 2320 and consent of instructor.
- 3010. THEATRE PRACTICUM.** (3-0-4). Applied arts. Practical experience gained through participation in backstage duties of Northwestern Theatre. May be repeated for credit for a maximum of six hours. For non-majors only.
- 3030. CREATIVE DRAMATICS.** (3-3-0). Emphasis on creative drama as an art form and the role of facilitator. Attention is given to beginning principles and methods of creating children's theatre.
- 3120. STAGE MANAGEMENT.** (3-1-4). A practical study of the fundamentals of stage-managing. Duties; responsibilities; creating/organizing a prompt script; interpersonal communication. For majors only.
- 3140. METAL FABRICATION FOR THEATRE.** (3-1-5). Lecture, discussion, demonstration, and hands-on practice of metal fabrication techniques as they apply to contemporary Theatre. Prerequisite: Consent of instructor.
- 3220. DIRECTING I.** (3-1-4). A practical study of the fundamentals of directing. Duties; role; introduction to play analysis and theory; staging of exercises and short works. Prerequisite: THEA 2310 and 2320.
- 3240. SCENIC PAINTING.** (3-1-2). The skills and possibilities in Scenic painting are explored through theory and practical application in Theatrical production. Prerequisite: Majors/minors only. May be repeated.
- 3250. STAGE RIGGING.** (3-1-2). The skills and specific application of rigging and lifting techniques as required for theatrical performance are discussed and practiced. Hands on experience as well as appropriate calculation of safe rigging procedure. Prerequisite: Majors/minors only. May be repeated.
- 3260. PROPS CRAFTS.** (3-0-3). The skills and possibilities in Props creation are explored through theory and practical application in Theatrical production. Prerequisite: Majors/minors only. May be repeated.
- 3300. SUMMER THEATRE WORKSHOP.** (3-3-0). Training and experience in all phases of theatrical production; problems in acting and staging; public performance of full-length plays; experimental production of one-act plays. Prerequisite: Consent of the instructor. May be repeated for credit - maximum nine hours.
- 3320. ACTING TECHNIQUE II.** (3-1-4). A practical study of the theories, techniques, and practices observed in contemporary acting. Prerequisite: 2320.
- 3330. LIGHTING FOR THE STAGE.** (3-1-3). Elementary principles of illumination, control media, instrumentation. Practice in University and laboratory productions and/or programs servicing University functions. Prerequisite: 2310 or consent of instructor.
- 3340. COSTUME CONSTRUCTION I.** (3-1-4). Basic costume construction skills; hand sewing, alterations, reading commercial patterns. Construction of costumes for University and lab productions. Prerequisite: Consent of instructor.
- 3350. MAKE-UP FOR STAGE.** (3-1-3). Theory and practice of make-up for the stage and television. Character analysis make-up design and use of prosthetics. Participation in performance productions.
- 3360. COSTUME CONSTRUCTION II.** (3-1-4). Execution of stage costumes, pattern making, and the elements outside of garment-making; fabric modification, mask making, and millinery will be explored. Prerequisite: 3340 or consent of instructor.

- 3380. THEATRE HISTORY AND LITERATURE II.** (3-3-0). Medieval and Renaissance through Romanticism. Continues the studies begun in Theatre History and Literature I. A survey of historiographical issues, historical periods, and important theatre literature through the Romantic era. Prerequisite: Majors/minors or consent of instructor.
- 3390. SOUND REINFORCEMENT.** (3-1-4). Fundamental electronic and acoustic principles of sound reinforcement and audio/video recording. Techniques of sound engineering, systems and equipment. Psychoacoustic research and application to the stage and studio environment.
- 4020. THEATRE CURRICULA AND PLANNING.** (3-3-0). Theatre curricular for primary and secondary school. Provides students with access to the national curricula standard for theatre education methods and practice in developing lesson plans and activities to teach that curricular.
- 4030. CHILDREN'S THEATRE.** (3-3-0). A continuation of Creative Dramatics and the theory and practice related to all phases of producing plays for and with young people through junior high school age. Practical experience in university productions as required for one semester.
- 4040. DIRECTING II.** (3-3-0). Advanced study of directing for the stage, culminating in the production/direction of a one-act play. Prerequisite: THEA 2310, 2320, 3120, 3220 and/or consent of instructor.
- 4050. COSTUME HISTORY FOR THE STAGE.** (3-3-0). An overview of costume history focusing on theatrical eras. Course will include designing costumes from period plays. Course will also cover research and presentation skills for stage costume design.
- 4070. DIRECTING SPEECH AND DRAMA ACTIVITIES.** (3-3-0). This course is designed to assist any teacher, in directing speech and drama activities. During the course the students will direct debates, plays and individual events.
- 4220. ADVANCED ACTING.** (3-1-4). Teaches advanced technique and artistic mastery of various elements of the craft. Specific subject matter varies with instructor and needs of students. Prerequisite 2320, 3320 and consent of instructor.
- 4230. MUSICAL THEATRE PERFORMANCE.** (3-3-0). A specialized performance course in the presentation of musical theatre material from audition through performance. Emphasis on proper vocal technique and the acting and movement skills required for effective performance on the musical stage. May be repeated for credit for a maximum of six hours. Prerequisite: 2320, 3320, 2340, and consent of instructor.
- 4240. ACTING SHAKESPEARE.** (3-0-3). Teaches and requires mastery of skills needed for playing Elizabethan drama with particular attention given to language and movement using the works of Shakespeare as the basis of exercises and scene work. Prerequisite: 2320, 3320 and consent of instructor.
- 4250. AUDITIONS.** (3-1-4). Specialized techniques necessary for actors to relate to the auditioning process including building an appropriate repertory of material, preparing a resume and picture, and developing an audition "persona". Prerequisite: Two performance courses or consent of instructor.
- 4260. SPECIAL PROBLEMS – THEATRE LITERATURE.** (3-3-0). A periodic "Figures" course, allowing for a more intensive study of the major contributions to dramatic literature by specific playwrights.
- 4270. SPECIAL PROBLEMS IN PRODUCTION AND DESIGN.** (3-1-4). An in depth course allowing intensive study in a specific area of technical theatre or design. Prerequisite: Consent of instructor. May be repeated.
- 4280. SPECIAL PROBLEMS IN PERFORMANCE AND DIRECTING.** (3-3-0). An in-depth course allowing intensive, individual study in performance or directing for theatre. Prerequisite: 2320 and 3320 or 3220 and 4040 and consent of the instructor. May be repeated.
- 4290. MUSICAL THEATRE PERFORMANCE II** (3-2-1). A specialized performance course in the presentation of musical theatre material from audition through performance. Emphasis on proper vocal technique and the acting and movement skills required for effective performance on the musical stage. May be repeated for credit for a minimum of six hours. Prerequisite: 4230 and consent of instructor.
- 4300. PLAY WRITING.** (3-3-0). Dramatic forms, creative writing and presentation of original plays.
- 4310. SCENIC DESIGN I.** (3-1-4). Principles of stage design; creating the stage environment for dramatic literature. Learning to rendering the design, drafting and build models. Prerequisite: Consent of instructor. May be repeated.
- 4320. SURVEY OF PERIOD STYLES.** (3-3-0). A historical overview of architectural developments, ornamental trends, dress and culture. This course includes specific instruction and orientation to research techniques and sources. Prerequisite: Majors/minors only.
- 4330. THEATRE HISTORY AND LITERATURE III.** (3-3-0). The Modern Era. Continues the history and literature sequence, beginning with Realism and continuing through major movements of the 20th century. Prerequisite: Majors/minors or consent of instructor.
- 4340. CONTEMPORARY THEATRE HISTORY AND LITERATURE.** (3-3-0). Dramatic literature from the past twenty years and the study of the culture/society from which they develop. Prerequisite: Majors/minors or consent of the instructor.
- 4350. AMERICAN MUSICAL THEATRE HISTORY AND LITERATURE.** (3-3-0). A survey of the history and literature of the American musical theatre, its origins, its development, and its effect on popular culture.
- 4360. THE BUSINESS OF THEATRE.** (3-3-0). Teaches career development and management skills for performers, designers, technicians, and managers.
- 4370. WORLD THEATRE STUDIES.** (3-3-0). Study of historical and contemporary drama in respect to non-western traditions; cultural diversity; African-American; gender; sexuality. Prerequisite: Majors/minors or consent of instructor.
- 4380. THE AMERICAN STAGE.** (3-3-0). The study of how plays and their productions have reflected America's changing social, political, and cultural concerns. This course traces the origins of American theatre and its relationship with American society and history, from its inception through the 20th century. Includes reading and critical examination of selected major works throughout the period, examined in historical and social context. Prerequisite: Theatre majors/ minors or consent of the instructor.
- 4410. ADVANCED THEATRE PRACTICUM.** (2-0-4). Applied Arts. Advanced application of production techniques and participation in crew supervision, design or major technical assignment. Prerequisite: Consent of instructor.
- 4420. COSTUME DESIGN I.** (3-1-4). Introduction to costume design for theatre. From script, to rendering, to realization in a production. Prerequisite: 3360 and consent of instructor. May be repeated.
- 4430. LIGHTING DESIGN I.** (3-1-4). Principles of the light plot, relation of light and color to scene design. Advanced principles of contemporary control instrumentation. Practice in University and laboratory production and/or programs servicing various University functions. Prerequisite: 3330 or consent of instructor. May be repeated.
- 4450. SCENIC RENDERING.** (3-1-4). The skills and possibilities in rendering and painting are explored through theory and practical application in Theatrical production. Prerequisite: Majors/minors only. May be repeated.

- 4480. SCRIPT ANALYSIS.** (3-3-0). An examination of the play script in terms of dramatic content and imagery. Emphasis on analysis as an information-gathering and interpreting tool.
- 4520. DRAMATURGY.** (3-3-0). A practical study of the fundamentals of dramaturgy. Duties; role; text analysis; research; communication of ideas; investigation of plays and playwrights. Prerequisite: Consent of instructor.
- 4540. PORTFOLIO AND CAREER MANAGEMENT.** (3-2-1). A course to expand skills of theatrical resume and cover letter writing, followed by the creation of a technical portfolio and a professional website for future use. Prerequisite: Majors/ minors only.
- 4550. COSTUME CRAFTS.** (3-1-2). Explores skills and techniques used to create costume crafts and accessories such as millinery, mask making, jewelry making, and dyeing. May be repeated.
- 4560. SOUND DESIGN.** (3-3-0). The objectives for this course are for the student to develop a basic understanding of designing with Sound. This includes learning and applying the elements of design and principles of composition, learning the basic steps in creating and implementing a design, and developing an understanding of the different ways to create with sound. To be able to discuss the concept for a design and discuss the design itself. Prerequisite: THEA 3390. May be repeated.
- 4570. COMPUTER AIDED DRAFTING: AUTOCAD FOR THEATRE.** (3-3-0). Design and execution of basic 2D computer aided drafting; learn basics of 2D theatrical drafting; Theatrical building techniques; implementing 2D drawings into shops. May be repeated.
- 4580. COMPUTER AIDED DRAFTING: VECTORWORKS FOR THEATRE.** (3-3-0). The purpose of this course is for the student to learn and use the computer aided drafting Program; Vectorworks, both as a 2D drafting and 3D visualization component. May be repeated.
- 4590. WIG DESIGN.** (3-2-1). Explores skills and techniques used to style and create wigs for theatrical performance. May be repeated.
- 4600. TECHNICAL PRODUCTION.** (3-2-1). Design and execution of advanced carpentry and technology of our industry; problem-solving techniques, drafting, CNC learning, and technical direction. (Budgeting, Scheduling, Leadership). Participation in University and/or laboratory production. May be repeated.
- 4610. COSTUME RENDERING.** (3-3-0). The skills and possibilities in rendering and painting are explored through theory and practical application in Theatrical production. Develops drawing and painting skills used in costume rendering. Prerequisite: Majors/minors only. May be repeated.
- 4620. COSTUME PATTERNING.** (3-2-1). Flat Patterning and draping methods are both used to create custom costume patterns. May be repeated.
- 4950. UNITED STATES CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity in the U.S.
- 4960. FOREIGN CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity abroad.
- 4980. SENIOR THESIS.** (3-0-0). Major directing, design or performance project and/or formal correlative paper. The project is to be staged for public presentation. Prerequisite: Senior standing in the curriculum.

For Graduates Only

- 5300. SUMMER WORKSHOP.** (3 to 9-0-0). Supervision of production activities, practicum in organization, planning and execution of crew work; acting and directing in Summer Repertory Company. Prerequisite: 18 hours of courses or consent of director.

- 5320. DIRECTING EDUCATIONAL THEATRE.** (3-3-0). Methods of supervising dramatic activities in elementary and secondary schools; organization of dramatic clubs, directing school plays, equipment of school stages. Prerequisite: Education 4020 or 4040 or teaching experience.
- 5950. SPECIAL PROBLEMS.** (1 to 6-0-0).

<sup>1</sup>No more than nine hours of 5300 may apply toward a degree.

## TUTORING (TUTR)

For Undergraduates Only

- 1010. INTRODUCTION TO TUTORING.** (2-1-1). Introduced to effective tutoring methodology and theories of learning assistance as they relate to college age students in one-on-one and small group learning situations.
- 1020. TUTORING METHODS.** (2-1-1). Methods and learning skill development in small group and individual settings. Topics include interpreting learning skills inventories, developing tutee study skills, working with special populations, and developing skills in specific subject areas. Prerequisites: 1010 and consent of instructor.
- 2010. DEVELOPING TUTEE CRITICAL THINKING SKILLS.** (2-1-1). Practical knowledge and application of critical thinking and problem solving strategies. To train tutors to identify and evaluate tutee skill levels and how to encourage students to become critical thinkers. Prerequisite: 1020.

## UNIFIED PUBLIC SAFETY ADMINISTRATION (UPSA)

For Undergraduates Only

- 1500. FUNDAMENTALS OF EMERGENCY MANAGEMENT.** (3-3-0). This course provides comprehensive coverage of the major topics that prospective emergency managers should understand about the way human systems attempt to cope with extreme events in their physical and social environments.
- 2000. PERSONNEL MANAGEMENT.** (3-3-0). This course examines relationships and issues in personnel administration and human resource development with the context of organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline and collective bargaining.
- 2100. HOMELAND SECURITY AND EMERGENCY MANAGEMENT.** (3-3-0). The focus is on U.S. policies and programs to address the hazard posed by international and domestic terrorism, particularly the risks posed by "weapons of mass destruction," since the attacks on the World Trade Center and the Pentagon on September 11, 2001.
- 2200. FIRE DEPARTMENT ADMINISTRATION.** (3-3-0). An introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer.
- 2250. CONCEPTS OF EMERGENCY MEDICAL SERVICE.** (3-3-0). This course will explore the history of emergency medical services, from its beginning during Napoleon's rule, the creation of the International Red Cross, the advancement during the civil war, the "load and go" philosophy of the 1960's and the highly trained emergency medical technicians of today.
- 2400. INTRODUCTION TO CORPORATE AND MUNICIPAL EMERGENCY MANAGEMENT.** (3-3-0). This course examines regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

- 2500. SOCIAL DIMENSIONS OF DISASTER.** (3-3-0). An examination of disasters and disaster management and its impact on society is explored. Community evacuation behavior, non-victim responses to disaster, crisis decision making, disaster recovery and community change are a few of the topics discussed during the course.
- 2550. HAZARDS RISK ASSESSMENT METHODS.** (3-3-0). The overall goal of this course is to contribute to the reduction of the growing toll (death and injuries, property loss, environmental degradation, etc.) of disasters in the United States by providing and understanding of a process (the hazards risk management process) that provides a framework that may be applied at all levels of communities and governments, to identify, analyze, consider, implement and monitor a wide range of measures that can contribute to their well-being.
- 2700. PLANNING AND DECISION MAKING IN PUBLIC ORGANIZATIONS.** (3-3-0). This course looks at strategic management inputs, strategy formulation and strategy implementation in order to assist the student in arriving at the correct decision in public organizations.
- 2900. MANAGERIAL ISSUES IN HAZARDOUS MATERIALS.** (3-3-0). This course examines regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures and program evaluation.
- 3000. FUNDAMENTALS OF ORGANIZATIONAL LEADERSHIP.** (3-3-0). An overview of the principles, theories, models, and styles of leadership in organizations. Analysis and assessment of personal leadership styles, strengths and weaknesses.
- 3400. CRISIS INTERVENTION MANAGEMENT.** (3-3-0). We live in an area in which sudden and unpredictable crisis and traumatic events have become the familiar subjects of every day news. An examination of rapid lethality assessments, timely crisis intervention, and trauma treatment in the 21<sup>st</sup> century will be examined.
- 3600. MANAGING BEHAVIOR IN PUBLIC ORGANIZATIONS.** (3-3-0). This course is a comprehensive study of management functions and processes as applied to public organizations. The course is designed to provide students with the knowledge to understand the challenge of managing a government organization. Relevant topics will be explored to include effective and ineffective practices in government. Prerequisite: Junior standing or consent of instructor.
- 3700. DISASTER RESPONSE OPERATIONS AND MANAGEMENT.** (3-3-0). This course covers the basic concepts and operational procedures and authorities involved in responding to major disasters. Topics include federal, state, and local roles and responsibilities in major disaster recovery work with an emphasis on governmental coordination. Upon completion, students should be able to implement a disaster plan and assess the needs of those involved in a major disaster.
- 4000. SEMINAR IN CURRENT TOPICS IN UNIFIED PUBLIC SAFETY ADMINISTRATION.** (3-3-0). Seminar in selected, current topic. Topics will vary from semester to semester. Students will present a well-researched paper and complete an exam in the specific topic. Course may be taken a maximum of two times. Scheduled by arrangement of instructor only. Prerequisite: Junior or senior standing or consent of instructor.
- 4100. FINANCIAL MANAGEMENT AND BUDGETING.** (3-3-0). This course is a comprehensive study of the functions and processes as applied to financial and managerial accounting within the public sector. The course deals with selected aspects of federal, state, and local government financial management. The course will examine fund accounting, cost analysis, capital budgeting, debt issuance and management, and asset management. Prerequisite: Junior standing or consent of instructor.

- 4200. COMPARATIVE RESEARCH AND ANALYSIS IN EMERGENCY MANAGEMENT.** (3-3-0). A multi-disciplinary review of research in the field of emergency management and analysis of the methods and techniques used in the research.
- 4300. FIRE SERVICE ADMINISTRATION AND MANAGEMENT.** (3-3-0). This course examines organizational and leadership tools for fire service administrators, including community approaches to administration, core skills, planning and implementation, leading change, and community risk management.
- 4350. EMERGENCY MEDICAL RESPONSE PLANNING.** (3-3-0). This course addresses the application of professional skills in disaster response, the impacts of disasters on public health and the healthcare system, how disaster responses are organized, the creation of a family emergency plan, coping with the stresses of disaster response, emergency procedures at medical facilities and emergency sites and effective utilization of volunteers to assist during disasters and afterwards.
- 4400. LAW AND PUBLIC POLICY.** (3-3-0). A study of the concepts and processes of public policy formulation with direct application to the Unified Public Safety Administration system at the local, state, and federal levels. The role of and impact on the components of the UPSA system in and by public policy formulation will be examined.
- 4480. SENIOR SEMINAR.** (3-3-0). This course is an integration of all academic learning, knowledge, and skills that provide students a total understanding of the Unified Public Safety Administration. Furthermore, this course provides a venue for students to meet with Unified Public Safety Administration faculty for culmination purposes, such as preparation for senior testing, preparation for graduation, or preparation for entering Unified Public Safety Administration agencies. Prerequisite: Graduating senior.
- 4600. PRACTICUM IN UNIFIED PUBLIC SAFETY ADMINISTRATION.** (3-0-0). This course will give selected UPSA students an opportunity to observe and participate in the public safety system. The student will spend an average of 6 hours each week in the field at a designated organization. Practicum students are expected to relate what they have learned in the practicum in the research paper to be submitted to their instructor prior to the end of the semester. Prerequisite: UPSA major, senior standing, 3.0 GPA in major, and approval by criminal justice advisor.
- 4700. VENUE AND EVENT SECURITY.** (3-3-0). A comprehensive examination and analysis of events and venue security from the varied perspectives of event stakeholders; application of principles of Homeland Security within local jurisdiction protocols; event matrix construction; and assessment of social, institutional and political implications of mass gatherings and events. Prerequisite: 1500 or consent of instructor.

## UNIVERSITY STUDIES (UNIV)

For Undergraduates Only

- 1000. THE UNIVERSITY EXPERIENCE.** (1-1-0). This course is designed to ease students' transition to the University experience. The focus is primarily on career development, the academic advising process, and academic regulations/requirements. New students will be exposed to a wealth of University programs and services, including, but not limited to: engagement in student affairs, financial aid regulations, Department of Education compliance, and awareness of the numerous student organizations and activities at Northwestern State University.

## VETERINARY TECHNOLOGY (VTEC)

For Undergraduates Only

- 1010. INTRODUCTORY VETERINARY TECHNOLOGY I.** (2-2-0). General animal breeds, animal restraints, taking a patient history, physical examination of the animal, public relations, office administrations, and ethics and jurisprudence.
- 1011. INTRODUCTORY VETERINARY TECHNOLOGY I LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 1010.
- 1020. VETERINARY MEDICAL TERMINOLOGY.** (2-2-0). Breaking down and defining common veterinary medical terms used in effective communication.
- 1030. INTRODUCTORY VETERINARY TECHNOLOGY II.** (2-2-0). Medical nursing, diagnostic sampling, and treatment techniques of small animals, horses, farm animals, and laboratory and exotic animals. Prerequisite: 1010-1011.
- 1031. INTRODUCTORY VETERINARY TECHNOLOGY II LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 1030.
- 2060. VETERINARY PHARMACOLOGICAL CALCULATIONS.** (1-1-0). General mathematics used by veterinary medical personnel involved in calculating dosages on common drugs, reading drug orders and labels, intravenous flow rates, and systems of measure. Prerequisite: Mathematics 1020.
- 2090. VETERINARY ANATOMY AND PHYSIOLOGY.** (3-3-0). Gross anatomy of domestic animals; how each organ system functions. Prerequisite: VTEC 1010-1011, VTEC 1030-1031, BIOL 1020-1021, and registration in or credit for 2091.
- 2091. VETERINARY ANATOMY AND PHYSIOLOGY LABORATORY.** (1-0-4). Prerequisite: Registration in or credit for 2090.
- 2600. ANIMAL CARE AND HEALTH.** (2-2-0). Basic nutrition of animals; kennel sanitation and maintenance; emergency situations; herd health. Prerequisite: Credit for VTEC 2090.
- 2900. VETERINARY TECHNOLOGY INTERNSHIP.** (12-0-0). Laboratory 40 hours per week. One semester of clinical training under the supervision of a Doctor of Veterinary Medicine approved by the Department of Biology, Microbiology, and Veterinary Technology. Students should complete 3190-3191, 3200-3201 within one year prior to registering for 2900 or have consent of the Department.
- 3010. DISEASES OF ANIMALS.** (3-3-0). Major diseases of the equine and companion animals including pathophysiology, etiology, and prevention. Prerequisite: VTEC 1010-1011, VTEC 1030-1031, BIOL 1020-1021.
- 3100. GENERAL VETERINARY PARASITOLOGY.** (2-3-0). Ecto and endoparasites of animals; parasites of public health importance; control measures. Prerequisite: Registration in or credit for 3101; Biology 1010-1011, 1020-1021.
- 3101. GENERAL VETERINARY PARASITOLOGY LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3100.
- 3190. VETERINARY HOSPITAL TECHNOLOGY I.** (2-2-0). Theory and techniques of hematology, urology, serology, cytology, bacteriology, microbiology, and mycology. Prerequisite: Registration in or credit for 3191; Biology 1020-1021
- 3191. VETERINARY HOSPITAL TECHNOLOGY I LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3190.
- 3200. VETERINARY HOSPITAL TECHNOLOGY II.** (2-2-0). Applied pharmacology, anesthesiology and surgical nursing. Pre-and post-operative care of animals. Prerequisites: Grade of C or better in 3190-3191, and 2090-2091, registration in or credit for 3201.
- 3201. VETERINARY HOSPITAL TECHNOLOGY II LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3200.
- 3700. VETERINARY RADIOLOGY AND IMAGING.** (2-2-0). Theory and application of radiological and ultrasound principles. Prerequisites: Grade of C or better in 2090-2091, registration in or credit for 3701.
- 3701. VETERINARY RADIOLOGY AND IMAGING LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 3700.
- 4090. VETERINARY CLINICAL PHARMACOLOGY.** (3-3-0). The science of veterinary pharmacology, including the types and actions of drugs used in veterinary medicine, indications and contraindications for these drugs, pharmacokinetics, pharmacodynamics, drug toxicity, pharmacological jurisprudence, and client education techniques. Prerequisite: 2060, 2090-2091.
- 4200. VETERINARY TECHNOLOGY COMPREHENSIVE REVIEW.** (3-3-0). Comprehensive review of veterinary technology from basic to clinical sciences, pertaining to multiple animal species, including diagnostics and clinical applications, professional practices and issues. This course is designed to assist in preparing for board certification examination of veterinary technicians/technologists, and should be the final VTEC course taken to complete degree requirements. Prerequisite: All other required VTEC courses except VTEC 4900.
- 4900. VETERINARY TECHNOLOGY SPECIALTY INTERNSHIP.** (6-0-6). 240 hours of clinical training under the supervision of a doctor of veterinary medicine or a credentialed veterinary technician approved by the Department of Biology, Microbiology, and Veterinary Technology. The goal of this internship is to expand veterinary exposure and offer added value options in specialized tracks, such as Laboratory Animal Medicine, Exotic Animal Medicine, Practice Management/Business, Research, Education, Emergency/Critical Care, Anesthesia, Clinical Laboratory Medicine, Dentistry, or Internal Medicine. Please see your advisor one semester prior to registration for this course so that site arrangements may be developed in a timely manner. Directed general course electives should assist in preparing the student for this course. Prerequisite: Completion of all other required VTEC courses.



# BOARD OF REGENTS

## Officers of the Board

MISTI S. CORDEL, Chair.....Baton Rouge  
TERRIE P. STERLING, Vice Chair ..... Zachary  
PHILLIP R. MAY, JR., Secretary ..... Jefferson

DAVID J. AUBREY..... Baton Rouge  
CHRISTIAN C. CREED ..... Monroe  
BLAKE R. DAVID .....Lafayette  
STEPHANIE A. FINLEY..... Lafayette  
TED H. GLASER III..... Oscar  
DALLAS L. HIXSON ..... Alexandria  
DARREN G. MIRE..... New Orleans  
WILBERT PRYOR ..... Shreveport  
CHRISTY OLIVER REEVES..... Baton Rouge  
K. SAMER SHAMIEH, MD ..... Covington  
COLLIS B. TEMPLE III..... Baton Rouge  
JUDY A. WILLIAMS-BROWN..... Athens  
DEVESH SARDA (Student Member)..... Shreveport

---

KIM HUNTER REED, Commissioner of Higher Education

# UNIVERSITY OF LOUISIANA SYSTEM

## BOARD OF SUPERVISORS

### Officers of the Board

MARK ROMERO, Chair ..... Lafayette  
 KRISTINE RUSSELL, Vice Chair ..... Hammond  
 STEVE DAVISON, Parliamentarian ..... Thibodaux

---

BARRY BUSADA ..... Shreveport  
 RONALD E. HOGAN ..... Shreveport  
 LEE JACKSON, JR. .... New Orleans  
 JO'QUISHIA LETHERMON ..... Baton Rouge  
 KEITH G. MYERS ..... Lafayette  
 JOHN NOBLE, JR. .... Lake Charles  
 ALEJANDRO "AL" PERKINS ..... Prairieville  
 DANA PETERSON ..... New Orleans  
 ELIZABETH PIERRE ..... Monroe  
 ROBERT SALIM ..... Natchitoches  
 BRAD STEVENS ..... Hammond  
 JULIE STOKES ..... Kenner  
 MARIA NECHAEVA (Student Member) ..... Slidell

---

RICHARD GALLOT, JR., System President

# ADMINISTRATION OF THE UNIVERSITY

|                                    |                                                                     |
|------------------------------------|---------------------------------------------------------------------|
| JAMES T. GENOVESE, J.D.            | President                                                           |
| GREG A. HANDEL, Ph.D.              | Executive Vice President and Provost                                |
| DRAKE OWENS, J.D.                  | Executive Vice President and Chief of Staff                         |
| REATHA COX, M.A.                   | Vice President for The Student Experience and Dean of Students      |
| RODNEY WILSON, B.S.                | Chief Financial Officer                                             |
| JENNIFER A. KELLY, M.Ed.           | Executive Director, University Affairs                              |
| LAURIE MORROW, M.A.                | Executive Director, Economic Development, Innovation, and Outreach  |
| VERONICA M. BISCOE, M.A.           | Executive Director, Institutional Effectiveness and Human Resources |
| FRANCENE LEMOINE, Ph.D.            | Dean, College of Arts and Sciences                                  |
| SCOTT WYSONG, Ph.D.                | Dean, College of Business and Technology                            |
| AIMEE BADEAUX, Ph.D.               | Dean, College of Nursing and School of Allied Health                |
| NEERU DEEP, Ed.D.                  | Dean, Gallaspy Family College of Education and Human Development    |
| TBA                                | Dean, Graduate School                                               |
| STEVEN G. HICKS, M.A.              | Executive Director, Academic Engagement and Student Success         |
| JASON PARKS, B.S.                  | Executive Director, CENLA Campus                                    |
| BARBARA L. PRESCOTT, M.A.          | University Registrar                                                |
| TAQUITA BELL, M.A.                 | Director, University Admissions                                     |
| LAUREN JACKSON, B.G.S.             | Director, Student Financial Aid                                     |
| VANNER ERIKSON, M.A.               | Director, Enrollment Management                                     |
| EMILY MILLER, M.A.                 | Director University Recruiting                                      |
| YONNA PASCH, Ed.D.                 | Director, Student Affairs                                           |
| STEPHANIE HENSON, B.S.             | Director, Electronic Learning and Global Education                  |
| MARTHA KOURY, M.A.                 | Director, Leesville Campus                                          |
| TY WHATLEY, B.S.                   | Director, Barksdale Campus                                          |
| ELIZABETH PURSELL, Ed.D.           | Director, Academic Success Center                                   |
| TAYLOR CAMIDGE, M.A.               | Director, Accessibility and Disability Support                      |
| BRITTANY BLACKWELL BROUSSARD, M.S. | Director, Culture and Climate                                       |
| JESSICA NASH, B.S.N.               | Director, Health Services                                           |
| RUTH CHATMAN, A.G.S.               | Director, Human Resources                                           |
| DAWN MITCHELL, M.S.                | Director, Institutional Research                                    |
| MEGAN LOWE, Ed.D.                  | Director, University Libraries                                      |
| ZACHARY VEULEMAN, PL-S, NCC        | Director, Counseling and Career Services                            |
| SCOTT MAGGIO                       | Director, Student Union                                             |
| LEAH JACKSON, M.A.                 | Director, Informational Services                                    |
| MICHAEL SCOTT, B.A.                | Director, University Printing Services                              |
| PATRIC DUBOIS, M.A.                | Director, Wellness & Recreation Sports and Activities               |
| RON WILLIAMS, B.G.S.               | Chief Information Officer, Information Technology Services          |
| ASHLEE GRAYSON, B.S.               | Director, Purchasing                                                |
| DAWN EUBANKS, B.S.                 | Controller                                                          |
| KEVIN MARTIN                       | Director, Operations                                                |
| JON CALISTE, B.A.                  | Director, University Safety and Compliance                          |
| CRAIG VERCHER, B.G.S.              | Chief, University Police                                            |

## ACADEMIC DEPARTMENT/DIVISION HEADS AND DIRECTORS

|                                         |                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------|
| TAMARA BAXTER, M.S.N.....               | College of Nursing                                                                 |
| KEITH DROMM, Ph.D (Interim).....        | Louisiana Scholars' College                                                        |
| REBECCA FARMER, M.S. R.S. ....          | School of Allied Health                                                            |
| CURTIS PENROD, Ph.D.....                | School of Business                                                                 |
| SCOTT BURRELL, M.F.A .....              | Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts |
| APRIL GIDDENS, Ed.D (Interim).....      | School of Education                                                                |
| CHRISTOPHER LYLES, Ph.D. ....           | School of Science, Technology, Engineering, and Mathematics (STEM)                 |
| MARK O. MELDER, Ph.D .....              | School of Social Sciences and Applied Programs                                     |
| JERRY BRUNSON, Ph.D.....                | Biology and Microbiology                                                           |
| MD SHAHRAIR HOSSAIN, Ph.D .....         | Engineering Technology                                                             |
| THOMAS REYNOLDS, Ph.D.....              | English, Languages, and Cultural Studies                                           |
| LESLIE GRUESBECK, Ed.D.....             | Fine and Graphic Arts                                                              |
| TARA TIETJEN-SMITH, D.A.....            | School of Kinesiology                                                              |
| ZEBULUN MARCOTTE, M.S .....             | Mathematics                                                                        |
| LTC JOSHUA R. DRAKE, M.A .....          | Military Science                                                                   |
| TERRIE SANDERS, Ed.D. ....              | Music                                                                              |
| JIE JESSICA ZHANG, Ph.D.....            | New Media, Journalism, and Communication Arts                                      |
| DAMIEN TRISTANT, Ph.D.....              | Physical Science                                                                   |
| CHARLES KING, Ph.D. ....                | Psychology and Addiction Studies                                                   |
| MARYANNE CANDLEY, Ph.D.....             | Social Work                                                                        |
| BRETT GARFINKEL, M.F.A.....             | Theatre and Dance                                                                  |
| KALEIGH MACQUEEN, D.V.M.(Interim) ..... | Veterinary Technology                                                              |

# FACULTY

|                                                       |                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------|
| AARON, LAURA .....                                    | Professor of Radiologic Sciences                                         |
| Ph.D., Louisiana State University                     |                                                                          |
| ACKEL, KAYLEE .....                                   | Associate Professor of Nursing                                           |
| D.N.P., University of Louisiana at Lafayette          |                                                                          |
| ADAIR, CHERYL .....                                   | Associate Professor of Nursing                                           |
| D.N.P., Northwestern State University                 |                                                                          |
| AKIN, JONATHAN .....                                  | Professor Emeritus, Department of Biology and Microbiology               |
| Ph.D., University of Louisiana at Lafayette           |                                                                          |
| ALDREDGE, MELISSA .....                               | Associate Professor of Accounting                                        |
| D.B.A., Northcentral University                       |                                                                          |
| ALEXANDER, NANCY .....                                | Assistant Professor of Family & Consumer Sciences                        |
| M.Ed., Northwestern State University                  |                                                                          |
| ALI, MOFTAH A. ISSA .....                             | Assistant Professor of Engineering Technology                            |
| Ph.D., University of Western Ontario                  |                                                                          |
| ALLEN, BURT .....                                     | Professor Emeritus, Department of Music                                  |
| D.M.A., University of Kansas                          |                                                                          |
| AMMONS, KEVIN .....                                   | Affiliated Faculty-History                                               |
| M.A., Northwestern State University                   |                                                                          |
| ARANT, LARRY .....                                    | Assistant Professor of Radiologic Sciences                               |
| Ed.D., Northwestern State University                  |                                                                          |
| ARTIS, SLOANE .....                                   | Assistant Professor of Musical Theatre                                   |
| D.M.A., University of California – Santa Barbara      |                                                                          |
| ATHERTON, JACK .....                                  | Associate Professor of Criminal Justice                                  |
| Ed.D., University of Louisiana Monroe                 |                                                                          |
| AUTHEMENT, KRISTEN .....                              | Instructor of Education                                                  |
| M.Ed., Louisiana Christian University                 |                                                                          |
| AUTREY, KATHY .....                                   | Associate Professor of Mathematics                                       |
| Ph.D., Louisiana State University                     |                                                                          |
| AYMOND, LAKYN .....                                   | Assistant Professor of Nursing                                           |
| M.S.N., Northwestern State University                 |                                                                          |
| BADEAUX, AIMEE .....                                  | Professor of Nursing;                                                    |
| Ph.D., Louisiana State University                     | Dean College of Nursing and School of Allied Health                      |
| BAILEY, DENISE .....                                  | Associate Professor of Social Work                                       |
| M.S.W., Stephen F. Austin State University            |                                                                          |
| BAKENHUS, DOUGLAS .....                               | Professor of Music and Director of Orchestras                            |
| D.M.A., University of Texas at Austin                 |                                                                          |
| BAKER, DONNA .....                                    | Assistant Professor                                                      |
| M.S.L.S., University of North Carolina at Chapel Hill | Head Archivist                                                           |
| BARTLEY, SEAN .....                                   | Associate Professor of Theatre History                                   |
| Ph.D., Florida State University                       |                                                                          |
| BAXTER, TAMARA .....                                  | Assistant Professor of Nursing                                           |
| M.S.N., Northwestern State University                 |                                                                          |
| BISCOE, VERONICA M .....                              | Instructor of Education; Assistant to the President for Human Resources; |
| M.A., University of Houston-Clear Lake                | Director, University Planning, Assessment, and EEO                       |
| BLAIR, ANDREW .....                                   | Instructor of Music                                                      |
| D.M.A., University of Georgia                         |                                                                          |
| BLAIR, MOLLY .....                                    | Assistant Professor of Music Education                                   |
| Ph.D., University of Georgia                          |                                                                          |
| BLAKES, JAQUELINE .....                               | Assistant Professor of Nursing                                           |
| M.S.N., Louisiana State University-New Orleans        |                                                                          |
| BLOUNT, HALEY .....                                   | Assistant Professor of Kinesiology                                       |
| Ed.D., Louisiana Tech University                      |                                                                          |
| BLUE, ALICE .....                                     | Associate Professor of Nursing                                           |
| D.N.P., Southeastern Louisiana University             |                                                                          |
| BOOK, ALICIA .....                                    | Assistant Professor of Nursing                                           |
| M.S.N., Northwestern State University                 |                                                                          |

|                                                                     |                                                                              |
|---------------------------------------------------------------------|------------------------------------------------------------------------------|
| BOUCK, GREGORY .....                                                | Professor of Education                                                       |
| Ed.D., Stephen F. Austin University                                 |                                                                              |
| BOUDREAUX, KIMBERLY .....                                           | Associate Professor of Criminal Justice                                      |
| Ph.D., Louisiana State University                                   |                                                                              |
| BRANTON, RACHEL .....                                               | Assistant Professor of Nursing                                               |
| M.S.N., University of South Alabama                                 |                                                                              |
| BRATT, TIMOTHY .....                                                | Assistant Professor of Hospitality Management and Tourism                    |
| D.B.A., Grand Canyon University                                     |                                                                              |
| BRISEÑO, J. ANDREW .....                                            | Associate Professor of English                                               |
| Ph.D., University of North Texas                                    |                                                                              |
| BROADWAY, BEVERLY .....                                             | Instructor of Psychology and Addiction Studies                               |
| M.S., Northwestern State University                                 |                                                                              |
| BROUSSARD, BRITTANY .....                                           | Instructor of Psychology and Addiction Studies                               |
| M.S., Northwestern State University                                 |                                                                              |
| BROWN, PATRICIA A .....                                             | Assistant Professor, Head of Instruction and Reference                       |
| Ph.D., Louisiana State University                                   |                                                                              |
| BROWN, REGINA .....                                                 | Assistant Professor of Nursing                                               |
| M.S.N., Western Governors University                                |                                                                              |
| BRUNSON, JERRY .....                                                | Associate Professor of Biology, Head, Department of Biology and Microbiology |
| Ph.D., Louisiana State University Health Sciences Center-Shreveport |                                                                              |
| BRUNSON, MICHELLE .....                                             | Professor of Education                                                       |
| Ed.D., Texas A & M University                                       |                                                                              |
| BURRELL, SCOTT .....                                                | Professor of Theatre; Director, Dear School of Creative and Performing Arts  |
| M.F.A., Virginia Commonwealth University                            |                                                                              |
| BYRD, JOHN .....                                                    | Assistant Professor of Biology                                               |
| M.S., Louisiana State University                                    |                                                                              |
| CALDWELL, GENEVA .....                                              | Associate Professor of Nursing                                               |
| D.N.S., Louisiana State University Health Sciences Center           |                                                                              |
| CALHOUN, JACKIE .....                                               | Assistant Professor of Kinesiology                                           |
| Ph.D., Louisiana State University                                   |                                                                              |
| CALLANDER, SEAN .....                                               | Instructor of Art                                                            |
| M.F.A., Northwestern State University                               |                                                                              |
| CAMPBELL, SUSAN .....                                               | Associate Professor of Social Work                                           |
| Ph.D., University of Kansas                                         |                                                                              |
| CANDLEY, MARYANNE .....                                             | Associate Professor of Social Work; Head, Department of Social Work          |
| Ph.D., Capella University                                           |                                                                              |
| CANO, EDGAR .....                                                   | Assistant Professor of Art                                                   |
| M.A., Northwestern State University                                 |                                                                              |
| CARDWELL, ROBERT .....                                              | Assistant Professor of Music                                                 |
| D.M.A., University of North Texas, Denton                           |                                                                              |
| CASKEY, CRAIG .....                                                 | Instructor of Engineering Technology                                         |
| M.S., University of Louisiana at Lafayette                          |                                                                              |
| CHEN, XINJIA .....                                                  | Associate Professor of Engineering Technology                                |
| Ph.D., Louisiana State University                                   |                                                                              |
| CHENEVERT, KRISLYN .....                                            | Assistant Professor of Nursing                                               |
| M.S.N., Northwestern State University                               |                                                                              |
| CHRISTENSEN, PAULA .....                                            | Associate Professor of Education                                             |
| Ph.D., University of Iowa                                           |                                                                              |
| CHRISTOPHER, KERRI .....                                            | Assistant Professor                                                          |
| M.L.S., Indiana University                                          | Head of Serials and Media                                                    |
| CHRISTOPHER, PAUL .....                                             | Associate Professor of Music                                                 |
| M.M., University of Memphis                                         |                                                                              |
| CHURCH, JESSIE .....                                                | Assistant Professor of Education                                             |
| Ed.D., Capella University                                           |                                                                              |
| CLARK, STEPHEN .....                                                | Assistant Professor of Music                                                 |
| D.M.A., University of Alabama                                       |                                                                              |
| CLARK-KENNEDY, DONYELLE .....                                       | Assistant Professor of Psychology and Addiction Studies                      |
| Ed.D., Northwestern State University                                |                                                                              |

|                                                           |                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------|
| CLAWSON, DANA .....                                       | Professor of Nursing                                             |
| D.N.S., Louisiana State University, Health Science Center | Interim Director of Doctoral Studies in Nursing                  |
| COCHRAN, MARGARET E.....                                  | Professor of Ecology and Mathematics                             |
| Ph.D., The University of Tennessee, Knoxville             |                                                                  |
| COLE, ELIZABETH.....                                      | Assistant Professor of Nursing                                   |
| D.N.P., Northwestern State University                     |                                                                  |
| COOK, KARI .....                                          | Associate Professor of Radiologic Sciences                       |
| Ed.D., Northwestern State University                      |                                                                  |
| CORDELL, KIRK .....                                       | Affiliated Faculty- History                                      |
| B.A., University of Virginia                              |                                                                  |
| COUVILLION, MISTY .....                                   | Assistant Professor of Nursing                                   |
| M.S.N., University of Louisiana at Lafayette              |                                                                  |
| COVHER, CORBIN .....                                      | Associate Professor of Art                                       |
| M.F.A., University of New Orleans                         |                                                                  |
| COVINGTON, JUDITH.....                                    | Professor of Mathematics                                         |
| Ph.D., University of Louisiana at Lafayette               |                                                                  |
| COX, JAMES DEWEY .....                                    | Assistant Professor of Biology                                   |
| M.S., Mississippi State University                        |                                                                  |
| CRAIG, AMY .....                                          | Assistant Professor of Education                                 |
| Ed.D., University of Louisiana at Lafayette               |                                                                  |
| CREEL, JENNIFER .....                                     | Assistant Professor of Nursing                                   |
| M.S.N., Northwestern State University                     |                                                                  |
| CREIGHTON, WALTER.....                                    | Professor Emeritus, School of Business                           |
| Ph.D., Colorado State University                          |                                                                  |
| CROW, SARAH .....                                         | Assistant Professor of Nursing                                   |
| M.S.N., Northwestern State University                     |                                                                  |
| CULVER, BILLY.....                                        | Associate Professor of Biology                                   |
| Ph.D., University of Oklahoma                             |                                                                  |
| CULVER, KRISTEN .....                                     | Instructor of English                                            |
| M.A., Northwestern State University                       |                                                                  |
| CUSTIS, CARSON.....                                       | Instructor of Nursing                                            |
| B.S.N., Northwestern State University                     |                                                                  |
| CURTIS, TAMMY .....                                       | Professor of Radiologic Sciences;                                |
| Ph.D., Texas Woman's University                           | Director of Undergraduate Radiologic Sciences                    |
| DALLAS, WANDRA .....                                      | Assistant Professor of Nursing                                   |
| M.S.N., Louisiana State University Health Sciences Center |                                                                  |
| DAVIDSON, CATHERINE .....                                 | Instructor of Mathematics                                        |
| Ed.S., Northcentral University                            |                                                                  |
| DARVISH, AHMAD.....                                       | Associate Professor of Biology                                   |
| Ph.D., Medical College of Ohio                            |                                                                  |
| DEBOSE, MYRA.....                                         | Associate Professor of Nursing                                   |
| Ph.D., University of Wisconsin-Madison                    |                                                                  |
| DEEP, NEERU .....                                         | Assistant Professor of Psychology;                               |
| Ed.D., Northwestern State University                      | Dean, Gallaspy Family College of Education and Human Development |
| DEFORD, MATTHEW .....                                     | Professor of Art                                                 |
| M.F.A., Kansas State University                           |                                                                  |
| DESPINO, JESSICA .....                                    | Assistant Professor of Radiologic Sciences                       |
| M.S.R.S., Northwestern State University                   |                                                                  |
| DEVAULT, RICHARD.....                                     | Professor of Mathematics                                         |
| Ph.D., University of Rhode Island                         |                                                                  |
| DEVILLE, MARY.....                                        | Associate Professor of Music                                     |
| Ph.D., University of Miami                                |                                                                  |
| DICKENS, WILLIAM I.....                                   | Professor Emeritus, School of Kinesiology                        |
| Ed.D., Louisiana State University                         |                                                                  |
| DOFFITT, CYNTHIA .....                                    | Associate Professor of Biology                                   |
| Ph.D., Mississippi State University                       |                                                                  |
| DOOLAN, KHIRSTEN .....                                    | Assistant Professor of English                                   |
| Ph.D., University of Louisiana at Lafayette               |                                                                  |
| DOWNEY, RENEE.....                                        | Associate Professor of Nursing                                   |
| D.N.P., Northwestern State University                     |                                                                  |

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| DROMM, KEITH.....         | Professor of Philosophy; Interim Director of Louisiana Scholars' College<br>Ph.D., University of Illinois at Urbana-Champaign               |
| DUBOIS, SARAH LISE.....   | Instructor of Business Administration<br>M.S., Louisiana Tech University                                                                    |
| DUGAS, ANNA.....          | Assistant Professor of Physics<br>M.S., Louisiana State University                                                                          |
| DUNN, JOHN.....           | Associate Professor of Fine Arts<br>Ph.D., Louisiana State University                                                                       |
| DURBIN, CONNIE.....       | Assistant Professor of Nursing<br>M.S.N., Aspen University                                                                                  |
| EASTIN, MEREDITH.....     | Assistant Professor of Nursing<br>M.S.N., Northwestern State University                                                                     |
| EATON, DORIAN E.....      | Instructor of Communication<br>M.A., University of Louisiana Monroe                                                                         |
| EL NAHHAS, SADEEM.....    | Instructor of English<br>M.A., The American University in Cairo                                                                             |
| ELMORE, JONATHAN.....     | Assistant Professor of Education<br>Ed.D., Capella University                                                                               |
| ENOCH, JENNIFER.....      | Associate Professor of English<br>Ph.D., Florida State University                                                                           |
| ENRIQUEZ, MIRLA.....      | Professor of Art<br>M.F.A., University of Texas – Pan American                                                                              |
| EVANS, JENNIFER.....      | Assistant Professor of Radiologic Sciences<br>M.S., Northwestern State University                                                           |
| FAIR, MARY.....           | Assistant Professor of Business Administration<br>J.D. Mississippi College                                                                  |
| FARMER, REBECCA.....      | Associate Professor of Radiologic Sciences<br>M.S.R.S., Midwestern State University<br>Department Head, School of Allied Health             |
| FAUCHEAUX, CATHERINE..... | Instructor of Business<br>M.S., University of Louisiana at Lafayette                                                                        |
| FERRELL, ANDREW.....      | Affiliated Faculty-History<br>M.S., Louisiana State University                                                                              |
| FERGUSON, JESSICA.....    | Assistant Professor of Radiologic Science<br>M.S.R.S., Northwestern State University                                                        |
| FLYNN, DENNIS.....        | Assistant Professor of Nursing<br>M.S.N., University of Louisiana Monroe                                                                    |
| FORD, JODIE.....          | Assistant Professor of Nursing<br>M.S.N., University of Texas                                                                               |
| FORKNER, BENJAMIN.....    | Associate Professor of French and Spanish<br>Ph.D., Louisiana State University                                                              |
| FORSYTH, LEAH.....        | Associate Professor of Music<br>M.M., Florida State University                                                                              |
| FORSYTH, PAUL.....        | Professor of Music<br>D.M.A., Michigan State University                                                                                     |
| FULTZ, ANDREW.....        | Assistant Professor of Social Work;<br>M.S.W., Western Kentucky University<br>Louisiana Title IV-E Child Welfare Program Executive Director |
| FULTZ, JESSICA.....       | Assistant Professor of Social Work<br>M.S.W., Western Kentucky University                                                                   |
| FURR, PAULA F.....        | Professor Emeritus, New Media, Journalism, and Communication Arts<br>Ed.D., Northwestern State University                                   |
| GALMINAS, LISA R.....     | Professor of Mathematics<br>Ph.D., University of Wisconsin at Madison                                                                       |
| GARFINKEL, BRETT.....     | Professor of Dance; Head, Department of Theatre and Dance<br>M.F.A., State University of New York – Purchase College                        |
| GENTRY, KATHRYN.....      | Assistant Professor of Education<br>Ed.D., University of Louisiana Monroe                                                                   |
| GENTRY, VICKIE.....       | Dean Emeritus, Gallaspy College of Education and Human Development<br>Ph.D., Texas A&M University                                           |
| GIBSON, MICHELLE.....     | Assistant Professor of Nursing<br>M.S.N., McNeese State University                                                                          |



GIDDENS, APRIL ..... Interim Director School of Education; Associate Professor of Education  
Ed.D., Walden University

GILSON, CHRISTOPHER ..... Associate Professor of History  
Ph.D., Texas A&M University

GILMORE, CHRISTINE ..... Assistant Professor of Psychology and Addiction Studies  
M.A., Grand Canyon University

GIRARD, JEFF ..... Assistant Professor of Anthropology  
M.A., University of Texas at Austin

GIRLINGHOUSE, SARAH DIANNE ..... Assistant Professor of Nursing  
M.S.N., University of Louisiana, Lafayette

GOLEMAN, WANDA ..... Professor of Biology  
Ph.D., Texas Tech University

GORDY, DANIEL ..... Assistant Professor of Criminal Justice and English  
Ed.D., Northwestern State University

GRANGER, GREGORY P. .... Professor of History  
Ph.D., University of New Orleans

GREEN, SHARON ..... Associate Professor of Criminal Justice  
M.S., National University

GREGORY, HIRAM F., JR. .... Professor of Anthropology  
Ph.D., Southern Methodist University

GRESHAM, SHANNON ..... Instructor of Psychology and Addiction Studies  
M.S., Northwestern State University

GRUESBECK, LESLIE ..... Associate Professor of Art; Head, Department of Fine and Graphic Arts  
Ed.D., Northwestern State University

GRUESBECK, STEVEN ..... Instructor of Psychology; Exec. Director, NSU LA GEAR UP  
M.S., University of Southern Mississippi

HAILEY, DEBRA ..... Associate Professor of Education  
Ph.D., Louisiana State University

HAILEY, TOMMY I. .... Professor of Anthropology  
Ph.D., Texas A & M University

HAIRE, ASHLEY ..... Instructor of Hospitality Management and Tourism  
M.A., Northwestern State University

HALL, FRANK R. .... Associate Professor of Homeland Security  
M.S., Saint Mary's College

HALL, THOMAS M. .... Professor Emeritus, Department of Mathematics and Engineering Technology  
Ed.D., Northwestern State University

HAMILTON, CHARLES ..... Instructor of English  
M.F.A., Lindenwood University

HANDEL, GREG A ..... Professor of Music;  
D.M.A., Arizona State University Executive Vice President and Provost

HARE, KENT ..... Professor of History  
Ph.D., Louisiana State University

HARRELL, REBECCA ..... Assistant Professor of Nursing  
M.S.N., Northwestern State University

HAWKINS, KEICIA ..... Professor of Education  
Ed.D., University of Louisiana Lafayette

HAYTER, HEATHER ..... Associate Professor of Nursing  
D.N.P., Northwestern State University

HELTON, REBECCA ..... Instructor of Nursing  
B.S.N., Northwestern State University

HICKMAN, DEBORAH ..... Assistant Professor of Nursing  
M.S.N., Northwestern State University

HICKS, STEVEN G ..... Instructor of Kinesiology;  
M.A., Western Michigan University Executive Director, Academic Engagement & Student Success

HILL, JENNIFER ..... Associate Professor of Chemistry  
Ph.D., University of Virginia

HO, NAHN ..... Assistant Professor of Dance  
M.F.A., University of Arizona

HOFFPAUIR, RANDY ..... Assistant Professor of Social Work  
M.S.W., Delaware State University

|                                                                 |                                                                                                      |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| HORNSBY, CHRISTY .....                                          | Assistant Professor of Education                                                                     |
| Ed.D., University of Louisiana at Lafayette                     |                                                                                                      |
| HORTON, DAVID.....                                              | Instructor of Computer Information Systems                                                           |
| M.S., Northwestern State University                             |                                                                                                      |
| HORTON, EDDIE.....                                              | Professor of Computer Information Systems                                                            |
| Ph.D., Northcentral University                                  |                                                                                                      |
| HORTON, EMILY .....                                             | Assistant Professor of Nursing                                                                       |
| M.S.N., Northwestern State University                           |                                                                                                      |
| HORTON, JACQUELINE.....                                         | Instructor of Child and Family Studies                                                               |
| M.S., Northwestern State University                             |                                                                                                      |
| HOSSAIN, MD SHAHRIAR.....                                       | Associate Professor of Industrial Engineering Technology;<br>Department Head, Engineering Technology |
| Ph.D., Louisiana State University                               |                                                                                                      |
| HSIEH, CHIALING .....                                           | Associate Professor of Music                                                                         |
| D.M.A., University of Cincinnati, College-Conservatory of Music |                                                                                                      |
| HUDLOW, ADAM .....                                              | Assistant Professor of Music                                                                         |
| Ph.D., Louisiana State University                               |                                                                                                      |
| HUNTINGTON, DEBORAH S.....                                      | Associate Professor, Head of Collection Development and Cataloging                                   |
| M.L.S., University of Southern Mississippi                      |                                                                                                      |
| HYAMS, LOUIS COLLIER.....                                       | Professor of Art                                                                                     |
| M.F.A., Rensselaer Polytechnic Institute                        |                                                                                                      |
| HYLAN, KRISTI .....                                             | Assistant Professor of Nursing                                                                       |
| D.N.P., Louisiana State University Health Sciences Center       |                                                                                                      |
| ISLAM, RAFIQUL.....                                             | Professor of Engineering Technology                                                                  |
| Ph.D., University of Wyoming                                    |                                                                                                      |
| JAEP, WINDY .....                                               | Associate Professor of Nursing                                                                       |
| D.N.P., Northwestern State University                           |                                                                                                      |
| JARVIS, J. ERECK .....                                          | Associate Professor of English                                                                       |
| Ph.D., University of Wisconsin, Madison                         |                                                                                                      |
| JENKINS, V. KRIST .....                                         | Instructor of English                                                                                |
| M.A., Northwestern State University                             |                                                                                                      |
| JENSEN, RICHARD B.....                                          | Professor Emeritus, Louisiana Scholars' College                                                      |
| Ph.D., University of Minnesota                                  |                                                                                                      |
| JEON, SUNGGUN .....                                             | Assistant Professor of Kinesiology                                                                   |
| Ph.D., Oklahoma State University                                |                                                                                                      |
| JIMES, JOEL .....                                               | Assistant Professor of Nursing                                                                       |
| D.N.P., Northwestern State University                           |                                                                                                      |
| JOHNSON, MAXINE R.....                                          | Professor Emeritus, College of Nursing                                                               |
| M.S., University of Maryland                                    |                                                                                                      |
| JOHNSTON, DONALD .....                                          | Associate Professor of Nursing                                                                       |
| Ph.D., University of Texas, Tyler                               |                                                                                                      |
| JONES, ANDREA.....                                              | Associate Professor of Nursing                                                                       |
| D.N.P., Northwestern State University                           |                                                                                                      |
| JONES, HANNAH.....                                              | Assistant Professor of Nursing                                                                       |
| M.S.N., Grand Canyon University                                 |                                                                                                      |
| JONES, MARCUS D.....                                            | Professor of Business Administration                                                                 |
| J.D., Southern University Law Center                            |                                                                                                      |
| JORDAN, KATRINA .....                                           | Professor of Education                                                                               |
| Ed.D., Louisiana Tech University                                |                                                                                                      |
| JOSLIN, STACEY .....                                            | Associate Professor of Nursing                                                                       |
| D.N.P., Northwestern State University                           |                                                                                                      |
| JOUBERT, BRIDGET.....                                           | Assistant Professor of Biology                                                                       |
| Ph.D., Rice University                                          |                                                                                                      |
| KANE, JULIE .....                                               | Professor Emeritus, Department of English, Languages, and Cultural Studies                           |
| Ph.D., Louisiana State University                               |                                                                                                      |
| KEELE, RONDO .....                                              | Professor of Philosophy                                                                              |
| Ph.D., Indiana University                                       |                                                                                                      |
| KELLY, MELISSA .....                                            | Instructor of Mathematics                                                                            |
| M.S., Loyola University                                         |                                                                                                      |
| KILLION, ANDREW.....                                            | Assistant Professor of Lighting and Sound Design                                                     |
| M.F.A., University of Nevada, Las Vegas                         |                                                                                                      |

|                                |                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| KING, CHARLES .....            | Associate Professor of Psychology and Addiction Studies;<br>Ph.D., University of Louisiana Monroe<br>Department Head, Psychology and Addiction Studies |
| KURODA, MASAHITO .....         | Professor of Music<br>Art D.M., Slovak National Academy of Music and Performing Arts                                                                   |
| KURTI, ANDREJ .....            | Professor of Music<br>D.M.A., University of Georgia                                                                                                    |
| LABORDE, ROBIN .....           | Assistant Professor of Nursing<br>M.S.N., Western Governors University                                                                                 |
| LANDRY, MYLA .....             | Associate Professor of Nursing; Director of BSN Degree Programs<br>D.N.P., Northwestern State University                                               |
| LANGE, GEORGE III .....        | Associate Professor of Homeland Security<br>J.D., Loyola Law School                                                                                    |
| LEE, LISA .....                | Assistant Professor of Nursing<br>M.S.N., Northwestern State University                                                                                |
| LEMOINE, FRANCENE .....        | Professor of Biology;<br>Ph.D., Baylor College of Medicine<br>Dean, College of Arts and Sciences                                                       |
| LIAO, WEIWEN .....             | Associate Professor of Business Administration<br>Ph.D., Central South University                                                                      |
| LINDSEY, CYNTHIA .....         | Professor of Psychology and Addiction Studies<br>Psy.D., Spalding University                                                                           |
| LOBDELL, NICOLE .....          | Assistant Professor of English<br>Ph.D., University of Georgia                                                                                         |
| LOVE, JESSICA .....            | Assistant Professor of Radiologic Science<br>M.S.R.S., Northwestern State University                                                                   |
| LOWE, MEGAN .....              | Associate Professor; Director of University Libraries<br>M.L.I.S., University of Southern Mississippi                                                  |
| LUCAS, MAYA .....              | Instructor of Kinesiology<br>M.Ed., Northwestern State University                                                                                      |
| LYLES, CHRISTOPHER .....       | Associate Professor of Biology;<br>Ph.D., University of Oklahoma<br>Director, School of Science, Technology, Engineering, and Mathematics (STEM)       |
| MacDONALD, ANNA T. ....        | Associate Professor, Head of Serials-Media,<br>M.L.S., Texas Woman's University<br>Head of Reference and Library Instruction                           |
| MacDONALD, JAMES .....         | Professor of History<br>Ph.D., Louisiana State University                                                                                              |
| MacQUEEN, KALEIGH .....        | Assistant Professor of Veterinary Technology<br>D.V.M., Louisiana State University<br>Interim Head, Department of Veterinary Technology                |
| McCLAIN, T. DAVINA .....       | Professor of Classics<br>Ph.D., Indiana University                                                                                                     |
| McCULLIN, CHELSEA .....        | Assistant Professor of Radiologic Science<br>M.S.R.S., Northwestern State University                                                                   |
| McDERMOTT, DENNETTE .....      | Professor Emeritus, Department of Music<br>D.M.A., University of North Texas                                                                           |
| McDONNELL, ERIN .....          | Assistant Professor of Nursing<br>M.S.N., Western Governors University                                                                                 |
| McDOWELL, QWONTICE ..          | Assistant Professor of Finance<br>M.B.A., Louisiana Tech University                                                                                    |
| McFARLAND, SARAH .....         | Professor of English<br>Ph.D., University of Oregon                                                                                                    |
| McHALE, MAUREEN A. ....        | Professor Emeritus, Department of Psychology and Addiction Studies<br>Ph.D., Illinois Institute of Technology                                          |
| McKEE, MARCY .....             | Associate Professor of Music<br>D.M.A., Arizona State University                                                                                       |
| McKINNEY, BYRON D. ....        | Associate Professor of Social Work<br>M.S.W., Louisiana State University                                                                               |
| McLAREN, MALENA .....          | Professor of Music<br>D.M.A., University of North Texas                                                                                                |
| McWhorter Mongeon, Heidi ..... | Charles Ragus Family Endowed Chair and Assistant Professor<br>M.A., Macquarie University<br>of Business Administration                                 |

|                                                        |                                                          |
|--------------------------------------------------------|----------------------------------------------------------|
| MA, LI .....                                           | Associate Professor of Biology                           |
| Ph.D., University of Texas at Austin                   |                                                          |
| MACIJSKI, REBECCA .....                                | Associate Professor of English                           |
| Ph.D., University of Nebraska - Lincoln                |                                                          |
| MAGGIO, CARRIE .....                                   | Instructor of Mathematics                                |
| M.S., Louisiana Tech University                        |                                                          |
| MANGER, WILLIAM .....                                  | Associate Professor of Geography                         |
| Ph.D., Arizona State University                        |                                                          |
| MANGRUM, MILLARD O .....                               | Assistant Professor of Biology                           |
| M.S., Northwestern State University                    |                                                          |
| MANNS, TAMARA .....                                    | Assistant Professor of Nursing                           |
| M.S.N., Loyola University in New Orleans               |                                                          |
| MARCOTTE, ZEBULUN .....                                | Instructor of Mathematics;                               |
| M.S., McNeese State University                         | Coordinator; Division of Mathematics                     |
| MARSH, RACHEL .....                                    | Instructor of Hospitality Management and Tourism         |
| M.B.A., University of Louisiana at Lafayette           |                                                          |
| MARSHALL, SAMUEL .....                                 | Associate Professor of Biology                           |
| Ph.D., University of Tennessee at Knoxville            |                                                          |
| MARZOUGH, HASSAN ARDAKANI .....                        | Associate Professor of Economics                         |
| Ph.D., Louisiana State University                      |                                                          |
| MASSON, STEPHANIE R. ....                              | Instructor of English                                    |
| M.A., Northwestern State University                    |                                                          |
| MATHERLY, DAWN .....                                   | Assistant Professor of Education                         |
| Ph.D., University of Holy Cross                        |                                                          |
| MATTHEWS, MICHAEL E .....                              | Assistant Professor                                      |
| M.L.I.S., University of Alabama                        | Head of Government Documents and Access Services         |
| MELDER, MARK O .....                                   | Professor of Criminal Justice;                           |
| Ph.D., Louisiana State University                      | Director, School of Social Sciences and Applied Programs |
| MILLER, MORGAN .....                                   | Instructor of Nursing                                    |
| B.S.N., Northwestern State University                  |                                                          |
| MIRANDA, VIANKA .....                                  | Associate Professor of Business Administration           |
| D.B.A., Walden University                              |                                                          |
| MISCHLER, JAMES .....                                  | Associate Professor of English                           |
| Ph.D., Oklahoma State University                       |                                                          |
| MITCHELL, LAUREN .....                                 | Assistant Professor Kinesiology                          |
| DPT, Louisiana State University Health Sciences Center |                                                          |
| MOLINA, OLIVER .....                                   | Associate Professor of Music                             |
| D.M.A., University of Iowa                             |                                                          |
| MONTGOMERY, SHEA .....                                 | Instructor of English                                    |
| M.F.A., Vermont College of Fine Arts                   |                                                          |
| MORAN, DOUGLAS .....                                   | Instructor of Accounting                                 |
| M.B.A., Louisiana State University-Shreveport          |                                                          |
| MORRIS, ANNA .....                                     | Associate Professor of Nursing                           |
| D.N.P., Northwestern State University                  |                                                          |
| MORRIS, MICHELLE .....                                 | Professor of Education                                   |
| Ed.D., West Virginia University                        |                                                          |
| MOULTON, E. PATRICE .....                              | Professor of Psychology and Addiction Studies            |
| Ph.D., University of Southern Mississippi              |                                                          |
| MOULTON, MICHAEL A .....                               | Professor of Kinesiology                                 |
| Ed.D., University of Southern Mississippi              |                                                          |
| MOUNT, LISA .....                                      | Assistant Professor of Social Work                       |
| M.S.W., Stephen F. Austin University                   |                                                          |
| MURAVITSKY, ALEXEI .....                               | Professor of Mathematics                                 |
| Ph.D., Academy of Sciences of the USSR                 |                                                          |
| MURPHY, RIVERS .....                                   | Professor Emeritus, Department of Fine and Graphic Arts  |
| M.F.A., Texas Christian University                     |                                                          |
| MYERS-MATTHEWS, BILLIE .....                           | Associate Professor of Psychology and Addiction Studies  |
| Ph.D., Fielding Graduate University                    |                                                          |

|                                                  |                                                                        |
|--------------------------------------------------|------------------------------------------------------------------------|
| MYERS, LEIGH ANN .....                           | Professor of Mathematics                                               |
| Ph.D., Louisiana State University                |                                                                        |
| NJERI, SIMON .....                               | Assistant Professor of Computer Information Systems                    |
| Ph.D., University of Nairobi                     |                                                                        |
| NICHOLS, LINDA.....                              | Associate Professor of Nursing                                         |
| Ed.D., University of Louisiana, Monroe           |                                                                        |
| NORMAN, LAURA .....                              | Assistant Professor of Education                                       |
| Ed.D., University of Louisiana at Lafayette      |                                                                        |
| O'HALLORAN, WENDI .....                          | Assistant Professor of Education                                       |
| Ed.D., University of Louisiana at Lafayette      |                                                                        |
| O'NEAL, TRETON .....                             | Assistant Professor of Biology                                         |
| M.S., University of South Alabama                |                                                                        |
| OLIVIER, MERYN.....                              | Associate Professor of Nursing                                         |
| D.N.P., Northwestern State University            |                                                                        |
| PAGE, ROBERT .....                               | Associate Professor of Biology                                         |
| Ph.D., University of Kentucky                    |                                                                        |
| PARDUE, TIMOTHY .....                            | Assistant Professor of Homeland Security                               |
| Ed.D., St. Thomas University                     |                                                                        |
| PARKER, CARMELLA.....                            | Professor of Business Administration                                   |
| J.D., Loyola University, New Orleans             |                                                                        |
| PARR, JESSICA .....                              | Professor of Theatre                                                   |
| M.F.A., University of Illinois, Urbana-Champaign |                                                                        |
| PARRISH, VICKI P .....                           | Professor Emeritus, Department of Theatre and Dance                    |
| Ph.D., Louisiana State University                |                                                                        |
| PEACOCK, KENT .....                              | Assistant Professor of History, Director of the Creole Heritage Center |
| Ph.D., Florida State University                  |                                                                        |
| PEARCE, LEAH.....                                | Associate Professor of Nursing                                         |
| D.N.P., Northwestern State University            |                                                                        |
| PEDDY, KIRBY .....                               | Assistant Professor of Social Work                                     |
| M.S.W., Stephen F. Austin                        |                                                                        |
| PELLEGRIN, CHARLES.....                          | Professor of History                                                   |
| Ph.D., Mississippi State University              |                                                                        |
| PENROD, CURTIS .....                             | Associate Professor of Computer Information Systems;                   |
| Ph.D., Northcentral University                   | Director, School of Business                                           |
| PEREZ, RHONDA .....                              | Assistant Professor of Nursing                                         |
| M.S.N., Loyola University in New Orleans         |                                                                        |
| PEREZ-MIRA, BEGONA .....                         | Professor of Computer Information Systems                              |
| Ph.D., Louisiana State University                |                                                                        |
| PERKINS, GERRA .....                             | Professor of Education                                                 |
| Ph.D., University of New Orleans                 |                                                                        |
| PHILLEY, ADAM.....                               | Assistant Professor of Music; Associate Director of Choral Activities  |
| M.M., University of Nebraska - Lincoln           |                                                                        |
| PICHT, JAMES .....                               | Associate Professor of Economics                                       |
| Ph.D., Texas A & M University                    |                                                                        |
| PIERSON, PATRICIA N.....                         | Department Head Emerita, Family and Consumer Sciences                  |
| Ph.D., Louisiana State University                |                                                                        |
| PLANCHOCK, NORANN Y.....                         | Dean Emeritus, College of Nursing and School of Allied Health          |
| Ph.D., Texas Women's University                  |                                                                        |
| POLLEY, SONJA.....                               | Assistant Professor of Education                                       |
| Ph.D., University of Holy Cross                  |                                                                        |
| PORTER, DEBBIE.....                              | Instructor of Mathematics                                              |
| M.Ed., University of Texas at Arlington          |                                                                        |
| POWELL, JASON.....                               | Associate Professor of Computer Information Systems                    |
| Ph.D., University of North Texas                 |                                                                        |
| PREJEAN, ELIZABETH.....                          | Associate Professor of Business Administration                         |
| D.B.A., Argosy University                        |                                                                        |
| PRICE, JOHN.....                                 | Assistant Professor of Music                                           |
| D.M.A., University of Oklahoma                   |                                                                        |

|                                                                |                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------|
| PULLING, JENNIFER .....                                        | Assistant Professor of Music Education                       |
| Ph.D., Louisiana State University                              |                                                              |
| PURSELL, ANTHONY .....                                         | Associate Professor of Music, Director of Bands              |
| D.M.A., Ball State                                             |                                                              |
| RASMUSSEN, SHANE .....                                         | Professor of English; Director, Louisiana Folklife Center    |
| Ph.D., University of Louisiana at Lafayette                    |                                                              |
| RAST, MICHAEL .....                                            | Professor of History                                         |
| Ph.D., Concordia University                                    |                                                              |
| RAY, ROBYN T. ....                                             | Associate Professor of Nursing                               |
| D.N.P., University of Louisiana Lafayette                      |                                                              |
| RAZOVSKY, HELAINE D. ....                                      | Professor Emeritus, English, Languages, and Cultural Studies |
| Ph.D., Boston University                                       |                                                              |
| REEVES, MARY .....                                             | Associate Professor of Mathematics                           |
| Ph.D., Louisiana State University                              |                                                              |
| REGER, COURTNEY .....                                          | Assistant Professor of Nursing                               |
| M.S.N., Jacksonville University                                |                                                              |
| RENNIE, MELISSA .....                                          | Associate Professor of Nursing                               |
| D.N.P., Northwestern State University                          |                                                              |
| REYNOLDS, THOMAS .....                                         | Professor of English;                                        |
| Ph.D., University of Louisiana at Lafayette .....              | Head, Department of English, Languages, and Cultural Studies |
| RICHARDSON, NICHOLAS .....                                     | Assistant Professor of Mathematics                           |
| Ph.D., Louisiana Tech University                               |                                                              |
| RIALL, REBECCA .....                                           | Associate Professor of Criminal Justice                      |
| Ph.D., Indiana University – Bloomington                        |                                                              |
| RICHOUX, KARN .....                                            | Associate Professor of Theatre                               |
| M.F.A., Florida State University                               |                                                              |
| RICHOUX, ROBERT .....                                          | Associate Professor of Theatre                               |
| M.F.A., Florida State University                               |                                                              |
| RIEHL, KIRSTIN .....                                           | Professor of Dance, Director of Dance                        |
| M.F.A., University of Utah                                     |                                                              |
| RITTMAYER, ALLISON .....                                       | Associate Professor of English                               |
| Ph.D., University of Florida                                   |                                                              |
| RIVERA-VAZQUEZ, DANIEL .....                                   | Associate Professor of Chemistry                             |
| Ph.D., University of Puerto Rico                               |                                                              |
| ROBERTS, MELISSA .....                                         | Assistant Professor; Reference Librarian                     |
| M.L.I.S., University of Alabama                                |                                                              |
| ROBISON, JENNIFER .....                                        | Assistant Professor of Photography                           |
| M.F.A., Louisiana Tech University                              |                                                              |
| RODRIGUEZ, GALINDO .....                                       | Associate Professor of Music                                 |
| M.M.Ed., University of North Texas                             |                                                              |
| RUSHING, BEN H., JR. ....                                      | Professor of Mathematics                                     |
| Ph.D., University of Southern Mississippi                      |                                                              |
| SALTER, VALERIE .....                                          | Associate Professor of Hospitality Management and Tourism;   |
| Ph.D., Iowa State University                                   | Coordinator of Hospitality Management and Tourism            |
| SALTER DROMM, HEATHER .....                                    | Instructor of English                                        |
| M.A., Northwestern State University                            |                                                              |
| SAMARAKOON, DUMINDA .....                                      | Assistant Professor of Chemistry                             |
| Ph.D., Clark Atlanta University                                |                                                              |
| SANDERS, JOSEPH .....                                          | Assistant Professor of Radiologic Sciences                   |
| M.B.A., Louisiana State University Shreveport                  |                                                              |
| SANDERS, TERRIE S. ....                                        | Professor of Music; Head, Department of Music                |
| Ed.D., University of Southern Mississippi                      |                                                              |
| SANTIAGO-RODRIGUEZ, YOHASELLY .....                            | Associate Professor of Chemistry                             |
| Ph.D., University of Puerto Rico-Mayaguez                      |                                                              |
| SAPKOTA, NABIN .....                                           | Professor of Engineering Technology                          |
| Ph.D., University of Central Florida                           |                                                              |
| SAWYER, WILLIAM .....                                          | Assistant Professor of Scenic Design                         |
| M.F.A., University of Cincinnati/College Conservatory of Music |                                                              |

|                                              |                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------|
| SCHERFF, KATHARINE .....                     | Assistant Professor of Art History                                                 |
| Ph.D., Texas Tech University                 |                                                                                    |
| SCZEPANIK, ALEXIS .....                      | Assistant Professor of Music                                                       |
| D.M.A., University of North Texas            |                                                                                    |
| SERIO, FRANK .....                           | Professor of Mathematics                                                           |
| Ph.D., University of Texas                   |                                                                                    |
| SEYMORE, KATRINA .....                       | Assistant Professor of Nursing                                                     |
| M.S.N., Galen College                        |                                                                                    |
| SHELTON, LESTER .....                        | Instructor of English                                                              |
| M.A., Northwestern State University          |                                                                                    |
| SHIVERS, HOLLEY .....                        | Instructor of Psychology and Addiction Studies                                     |
| M.A., Northwestern State University          |                                                                                    |
| SIMMONS, PAMELA B. ....                      | Senior Director Emeritus, College of Nursing                                       |
| Ph.D., Texas Woman's University              |                                                                                    |
| SINCLAIR, DEAN .....                         | Professor of Geography                                                             |
| Ph.D., Louisiana State University            |                                                                                    |
| SISSAY, ADONAY .....                         | Assistant Professor of Chemistry                                                   |
| Ph.D., Louisiana State University            |                                                                                    |
| SMITH, JAMES .....                           | Associate Professor of Accounting                                                  |
| D.B.A., Louisiana Tech University            |                                                                                    |
| SMITH, JEFFREY .....                         | Professor of History                                                               |
| Ph.D., University of Illinois                |                                                                                    |
| SNEED, KENDALL .....                         | Assistant Professor                                                                |
| B.S.N., Southeastern University of Louisiana |                                                                                    |
| SNOWDEN, BARNARD F. ....                     | Professor Emeritus, Louisiana Scholars' College                                    |
| Ph.D., Tulane University                     |                                                                                    |
| SNYDER, SHIRLEY .....                        | Professor of Criminal Justice                                                      |
| J.D., Louisiana State University             |                                                                                    |
| SOLICE, DYLAN .....                          | Assistant Professor of Education                                                   |
| Ed.D., Capella University                    |                                                                                    |
| STAFFORD, DONALD .....                       | Assistant Professor of Nursing                                                     |
| M.S.N.A., Xavier University                  |                                                                                    |
| STALLING, DICK T. ....                       | Professor Emeritus, Department of Biology, Microbiology, and Veterinary Technology |
| Ph.D., University of Oklahoma                |                                                                                    |
| STEELE, DAVID .....                          | Instructor of Music and Fine Arts                                                  |
| M.M., University of New Mexico               |                                                                                    |
| STICKER, LEEANN .....                        | Professor of Biology                                                               |
| Ph.D., Louisiana State University            |                                                                                    |
| STIGERS, AARON .....                         | Associate Professor of Nursing;                                                    |
| D.N.P., Southeastern Louisiana University    | Director of MSN and PMC Programs                                                   |
| STRAUB, JOSEPH .....                         | Assistant Professor of Biology                                                     |
| Ph.D., Louisiana Tech University             |                                                                                    |
| STRINGFIELD, LINDA .....                     | Assistant Professor of Nursing                                                     |
| M.S.N., Loyola University                    |                                                                                    |
| SWANSTROM, MARK .....                        | Professor of Accounting                                                            |
| Ph.D., Texas Tech University                 |                                                                                    |
| TABOR, KRYSTYNA .....                        | Assistant Professor of Nursing                                                     |
| M.S.N., Northwestern State University        |                                                                                    |
| TAYLOR, DOMINQUE .....                       | Assistant Professor of Communication                                               |
| Ed.D., Texas A&M University Kingsville       |                                                                                    |
| TCHETCHELASHVILI, SOFIKO .....               | Instructor of Music                                                                |
| M.M., Baylor University                      |                                                                                    |
| TEMPLE, AUSTIN L. ....                       | Dean Emeritus, College of Business and Technology                                  |
| Ph.D., George Peabody College for Teachers   |                                                                                    |
| TESHERA, MARK .....                          | Assistant Professor of Biology                                                     |
| Ph.D., University of Texas El Paso           |                                                                                    |
| THIBODEAUX, CHAD .....                       | Associate Professor of Chemistry                                                   |
| Ph.D., Louisiana State University            |                                                                                    |
| THOMPSON, J. MARK .....                      | Professor of Music; Coordinator of Statistics and Acquisitions,                    |
| D.M.A., University of Iowa                   | Dear School of Creative and Performing Arts                                        |

|                              |                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| THORSON-BARNETT, SUSAN ..... | Professor Emeritus, Department of Psychology and Addiction Studies<br>Ph.D., California Coast University                              |
| TIETJEN-SMITH, TARA.....     | Professor of Kinesiology;<br>Director, School of Kinesiology<br>D.A., Tennessee State University                                      |
| TRISTANT, DAMIEN.....        | Assistant Professor of Physics<br>Coordinator of Physical Science<br>Ph.D., National Institute of Applied Sciences (Toulouse, France) |
| UPSHAW, ANNA.....            | Instructor of Computer Information Systems<br>M.B.A., Louisiana Tech University                                                       |
| UPSHAW, DANNY .....          | Associate Professor of Marketing<br>D.B.A., Louisiana Tech University                                                                 |
| USIE, JAIME .....            | Associate Professor of Nursing<br>D.N.P., Northwestern State University                                                               |
| VELOTTA, ALBERT .....        | Assistant Professor of Nursing<br>M.S.N., Northwestern State University                                                               |
| VOEBEL, SHERRIL .....        | Assistant Professor, Head, Shreveport Library<br>M.L.I.S., Louisiana State University                                                 |
| WALLACE, TARKISHA .....      | Assistant Professor of Education<br>Ph.D., University of Holy Cross                                                                   |
| WALL-HALE, SHANNON.....      | Instructor of Psychology and Addiction Studies<br>M.A., Northwestern State University                                                 |
| WANN, JACK.....              | Professor Emeritus, Dear School of Creative and Performing Arts<br>Ph.D., Louisiana State University                                  |
| WASHINGTON, DOROTHY.....     | Assistant Professor of Economics<br>M.B.A., University of Wisconsin                                                                   |
| WEAVER, SUE W.....           | Dean Emeritus, College of Arts and Sciences<br>Ph.D., Louisiana State University                                                      |
| WEDGEWORTH, MEGAN .....      | Assistant Professor of Radiologic Sciences<br>M.B.A., Texas A & M University                                                          |
| WHEAT, SHAUN .....           | Associate Professor of Nursing<br>Ed.D., Northwestern State University                                                                |
| WHITEHEAD, THOMAS N.....     | Professor Emeritus, Department of New Media, Journalism, and Communication Arts<br>M.S., Boston University                            |
| WILHITE, LISA .....          | Assistant Professor of Nursing; Director of ASN Degree Program<br>M.S.N., Northwestern State University                               |
| WILLIAMS, RODERICKUS .....   | Assistant Professor of Nursing<br>D.N.P., Grand Canyon University                                                                     |
| WILLIAMS, TIFFANY.....       | Associate Professor of Nursing<br>D.N.P., Southeastern Louisiana University                                                           |
| WILSON, MARIANN.....         | Instructor of English<br>M.A., Northwestern State University                                                                          |
| WISE, JASMINE.....           | Assistant Professor of Criminal Justice<br>Ph.D., Baylor University                                                                   |
| WITMAN, GERARD.....          | Assistant Professor of Business Administration<br>M.B.A., St. Leo University                                                          |
| WOLFF, SHARON R.....         | Assistant Professor, Assistant Archivist<br>M.S., University of Albany SUNY                                                           |
| WOOD, BENJAMIN.....          | Associate Professor of Radiologic Sciences<br>Ed.D., Grambling State University                                                       |
| WORLEY, JOEL K .....         | Dean Emeritus, College of Business and Technology<br>Ph.D., Virginia Polytechnic Institute and State University                       |
| WRIGHT, SARAH.....           | Professor of Business Administration<br>Ph.D., Northcentral University                                                                |
| WYATT, PIA .....             | Professor of Theatre<br>M.F.A., University of Victoria, Canada                                                                        |
| WYSONG, SCOTT .....          | Professor of Marketing;<br>Dean, College of Business and Technology<br>Ph.D., University of Texas at Arlington                        |
| YANG, FRANCIS.....           | Associate Professor of Music<br>D.M.A., University of Montreal                                                                        |
| YOUNG, CASEY.....            | Instructor of Nursing<br>B.S.N., Louisiana State University of Alexandria                                                             |



|                                        |                                                                   |
|----------------------------------------|-------------------------------------------------------------------|
| YOUNGBLOOD, KIERRA .....               | Assistant Professor of Nursing                                    |
| M.S.M., University of Louisiana Monroe |                                                                   |
| ZAPCZYNSKI, MARY .....                 | Associate Professor of Nursing                                    |
| D.N.P., Northwestern State University  |                                                                   |
| ZBITKOVSKIS, OONA .....                | Instructor of English                                             |
| M.A., Northwestern State University    |                                                                   |
| ZERING, EMILY .....                    | Assistant Professor of Communication                              |
| M.MC., Louisiana State University      |                                                                   |
| ZHANG, JIE .....                       | Professor of Communication;                                       |
| Ph.D., University of Texas, Austin     | Head, Department of New Media, Journalism, and Communication Arts |

## NORTHWESTERN LABORATORY SCHOOL

|                                              |                                                                                              |
|----------------------------------------------|----------------------------------------------------------------------------------------------|
| ANDERSON, JENNIFER .....                     | Mathematics-Middle Laboratory School, 6th, 7th, 8th Year Level                               |
| M.Ed., Northwestern State University         |                                                                                              |
| ARMSTRONG, TRACY .....                       | Counselor – Elementary and Middle Laboratory School                                          |
| M.S.W., Tulane University, New Orleans, LCSW |                                                                                              |
| CABALLERO, BOBBI .....                       | Mathematics-Middle Laboratory School, 6th, 7th, 8th Year Level                               |
| M.Ed., Northwestern State University         |                                                                                              |
| COLEMAN, CARON .....                         | Director, Laboratory Schools, K – 8th Year                                                   |
| Ed.S., Northwestern State University         |                                                                                              |
| COLLINS, RACHEL .....                        | Art-Middle Laboratory School, 6th, 7th, 8th Year Level                                       |
| B.S., Northwestern State University          |                                                                                              |
| CROWELL, ALEXZANDRIA .....                   | Mathematics-Middle Laboratory School, 8th Year Level;                                        |
| M.Ed., University of Mississippi             | Assistant to the Director, Middle Laboratory School, 6th, 7th, 8th                           |
| FISHER, AMY .....                            | Kindergarten                                                                                 |
| M.Ed., Northwestern State University         |                                                                                              |
| GATES, HANNAH .....                          | Visual Arts                                                                                  |
| B.A., Northwestern State University          |                                                                                              |
| GENTRY, CRISTY .....                         | 1st Year Level                                                                               |
| M.Ed., Northwestern State University         |                                                                                              |
| GRAY, HILLARY .....                          | 3rd Year Level                                                                               |
| M.Ed., Northwestern State University         |                                                                                              |
| GUILLET, ANGELA .....                        | Special Education Resource-Middle Laboratory School, 6th, 7th, 8th Year Level                |
| M.Ed. +30, Northwestern State University     |                                                                                              |
| GUIN, SYDNEY .....                           | 5th Year Level                                                                               |
| M.A.T., Northwestern State University        |                                                                                              |
| HUDSON, JENNIFER .....                       | Reading, ELA-Middle Laboratory School, 6th, 7th, 8th Year Level                              |
| B.G.S., Northwestern State University        |                                                                                              |
| JOHNSON, VERONICA .....                      | 1st Year Level                                                                               |
| M.Ed., Northwestern State University         |                                                                                              |
| JONES, ANABEL .....                          | Art-Middle Laboratory School, 6 <sup>th</sup> , 7 <sup>th</sup> , 8 <sup>th</sup> Year Level |
| M.A.T., Northwestern State University        |                                                                                              |
| KAUFMAN, MELISSA .....                       | 3rd Year Level                                                                               |
| B.A., Northwestern State University          |                                                                                              |
| KELLER, REBECCA .....                        | Language Arts, Reading, Gifted-Middle Laboratory School, 6th, 7th, 8th Year Level            |
| B.A., Northwestern State University          |                                                                                              |
| KEPPINGER, PAULA .....                       | Language Arts, Reading-Middle Laboratory School, 6th, 7th Year Level                         |
| B.S., Northwestern State University          |                                                                                              |
| LaCOUR, KATRICE .....                        | Orchestra-Elementary and Middle Laboratory School, 5th, 6th, 7th, 8th Year Level             |
| B.S., Grambling State University             |                                                                                              |
| LAIRD, RENEE .....                           | 2nd Year Level                                                                               |
| B.A., Northwestern State University          |                                                                                              |
| MASSIA, JENNY .....                          | Gifted                                                                                       |
| M.A.T., Northwestern State University        |                                                                                              |
| MORGAN, TIFFANY .....                        | 5 <sup>th</sup> Year Level                                                                   |
| M.Ed., Northwestern State University         |                                                                                              |
| MCCART, CARMELA .....                        | Physical Education                                                                           |
| B.A., Northwestern State University          |                                                                                              |

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| PAZ, MILOVAN .....                    | Talent-Middle Laboratory School, 6th, 7th, 8th Year Level             |
| M.A., Northwestern State University   |                                                                       |
| PROCELL, DUSTIN .....                 | Social Studies-Middle Laboratory School, 6th, 7th, 8th Year Level     |
| M.A.T., Northwestern State University |                                                                       |
| PROCELL, LAUREN .....                 | 4th Year Level                                                        |
| B.A., Northwestern State University   |                                                                       |
| RACHAL, ANNA .....                    | Art, K – 5th Year Level                                               |
| M.A.T., Louisiana College             |                                                                       |
| RACHAL, JEFF .....                    | Physical Education-Middle Laboratory School, 6th, 7th, 8th Year Level |
| B.S., Northwestern State University   |                                                                       |
| RIVERA-CASTILLO, ERIKA .....          | Special Education                                                     |
| Ed.D., Liberty University             |                                                                       |
| SEAWOOD, AALIYAH .....                | 3rd Year Level                                                        |
| B.S., Northwestern State University   |                                                                       |
| SHIRLEY, MICHELLE .....               | Science-Middle Laboratory School, 6th, 7th, 8th Year Level            |
| B.S., Aquinas College                 |                                                                       |
| SMITH, MELANIE .....                  | 2nd Year Level                                                        |
| B.A., Northwestern State University   |                                                                       |
| STEWART, CASEY .....                  | Special Education                                                     |
| M.Ed., Northwestern State University  |                                                                       |
| STOKES, SAMUEL .....                  | Music Talent-Middle Laboratory School, 6th, 7th, 8th Year Level       |
| Ph.D., Louisiana State University     |                                                                       |
| WIGGINS, LISA .....                   | Media Specialist                                                      |
| M.Ed., Louisiana State University     |                                                                       |
| WILSON, CAITY .....                   | Kindergarten                                                          |
| M.Ed., Northwestern State University  |                                                                       |

# INDEX

## A

|                                                           |         |
|-----------------------------------------------------------|---------|
| Academic (faculty) advisors .....                         | 28      |
| Academic Advising Services .....                          | 48      |
| Academic assessment.....                                  | 25      |
| Academic bankruptcy .....                                 | 34      |
| Academic calendar (2024-2025).....                        | 4-6     |
| Academic Colleges/Schools/Departments                     |         |
| College of Arts and Sciences .....                        | 50      |
| Louisiana Scholars' College .....                         | 54      |
| Mrs. H.D. Dear, Sr. and Alice Estelle Dear School         |         |
| of Creative and Performing Arts .....                     | 86      |
| Fine and Graphic Arts .....                               | 87      |
| Music .....                                               | 89      |
| New Media, Journalism, and Communication                  |         |
| Arts .....                                                | 93      |
| Theatre and Dance .....                                   | 94      |
| School of Science, Technology, Engineering, and           |         |
| Mathematics (STEM) .....                                  | 97      |
| Biology and Microbiology.....                             | 98      |
| Engineering Technology.....                               | 103     |
| Mathematics .....                                         | 105     |
| Physical Science .....                                    | 106     |
| Veterinary Technology .....                               | 107     |
| School of Social Sciences and Applied Programs .....      | 108     |
| English, Languages, and Cultural Studies .....            | 112     |
| College of Business and Technology .....                  | 115     |
| School of Business.....                                   | 116     |
| Hospitality Management and Tourism .....                  | 121     |
| College of Nursing and School of Allied Health.....       | 122     |
| College of Nursing .....                                  | 123     |
| School of Allied Health .....                             | 133     |
| Gallaspy Family College of Education and                  |         |
| Human Development .....                                   | 140     |
| School of Education .....                                 | 142     |
| School of Kinesiology .....                               | 155     |
| Military Science .....                                    | 158     |
| Psychology and Addiction Studies.....                     | 160     |
| Social Work .....                                         | 163     |
| Academic Content concentration .....                      | 150     |
| Academic honesty.....                                     | 35      |
| Academic honors .....                                     | 39      |
| Academic Information .....                                | 25      |
| Academic records, access to and utilization of .....      | 41      |
| Academic Regulations .....                                | 31      |
| Academic skills courses.....                              | 171     |
| Accelerated Bachelor of Science in Nursing.....           | 128     |
| Accelerated degree programs.....                          | 60      |
| Accessibility and Disability Services .....               | 48      |
| Accounting                                                |         |
| courses .....                                             | 1712    |
| curriculum.....                                           | 117     |
| joint major program .....                                 | 68      |
| minor .....                                               | 117     |
| Accreditation.....                                        | 9       |
| ACT score.....                                            | 38      |
| Activities/Engagement, student .....                      | 47      |
| Actuarial mathematics concentration .....                 | 78, 105 |
| Addiction Studies                                         |         |
| concentration (graduate) .....                            | 162     |
| courses .....                                             | 172     |
| curriculum(undergraduate) .....                           | 160     |
| joint major program .....                                 | 69      |
| minor .....                                               | 160     |
| Adding, dropping, repeating, and substituting course..... | 31      |
| Add-on certification .....                                | 142     |
| Address Change.....                                       | 42      |
| Administrative officers .....                             | 308     |
| Admission.....                                            | 17      |
| Adult and Continuing Education courses .....              | 213     |

|                                                     |         |
|-----------------------------------------------------|---------|
| Adult Learning and Workforce Development            |         |
| concentration .....                                 | 153     |
| Adult and Workforce Development concentration ..... | 153     |
| Adult Learning and Development                      |         |
| courses.....                                        | 213     |
| curriculum (M.A. program) .....                     | 147     |
| curriculum (Ed.D. program) .....                    | 153     |
| Advanced Manufacturing concentration .....          | 104     |
| Agribusiness concentration.....                     | 70, 99  |
| Agricultural Management courses.....                | 173     |
| Agriculture Education concentration .....           | 145     |
| Air Force ROTC.....                                 | 159     |
| Allied Health                                       |         |
| concentration .....                                 | 52, 138 |
| courses.....                                        | 173     |
| curriculum (undergraduate).....                     | 133     |
| curriculum (graduate).....                          | 138     |
| school of .....                                     | 133     |
| Alternate PIN's.....                                | 28      |
| American Indian and Indigenous Studies minor.....   | 109     |
| American Sign Language courses.....                 | 175     |
| Annual Notification Report .....                    | 41      |
| Anthropology                                        |         |
| courses.....                                        | 176     |
| minor .....                                         | 53      |
| Appeal for readmission.....                         | 34      |
| Appeal of reported grade – Graduate .....           | 169     |
| Appeal of reported grade – Undergraduate .....      | 35      |
| Application development concentration .....         | 72, 118 |
| Applied Behavior Analysis                           |         |
| minor .....                                         | 161     |
| courses.....                                        | 177     |
| Applied Mathematics concentration .....             | 78, 105 |
| Applied Microbiology                                |         |
| curriculum .....                                    | 98      |
| joint major .....                                   | 69      |
| Archaeology concentration.....                      | 53      |
| Art                                                 |         |
| courses.....                                        | 178     |
| graduate program in.....                            | 87      |
| minor .....                                         | 87      |
| Arts and Communication concentration.....           | 51      |
| Arts and Sciences, College of .....                 | 50      |
| Assessment of major fields of study .....           | 26      |
| Associate degree programs .....                     | 13      |
| Associate degree requirements .....                 | 27      |
| Athletics, eligibility .....                        | 47      |
| Attendance regulations .....                        | 32      |
| Auditing courses.....                               | 29      |

## B

|                                                |         |
|------------------------------------------------|---------|
| Baccalaureate degree programs .....            | 13      |
| Baccalaureate degree requirements.....         | 27      |
| Second Baccalaureate degree requirements ..... | 27      |
| Simultaneous degree conferment requirements/   |         |
| restrictions .....                             | 27      |
| Biochemistry concentration.....                | 80, 106 |
| Biology                                        |         |
| courses.....                                   | 182     |
| curriculum .....                               | 98      |
| joint major program.....                       | 70      |
| minor .....                                    | 99      |
| Biology Education concentration.....           | 82, 145 |
| Biology and Microbiology, Department of .....  | 98      |

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Biomedical concentrations .....                 | 70, 74, 99, 103 |
| Biomedical Engineering Technology courses ..... | 188             |
| Black Studies minor .....                       | 109             |
| Business, School of .....                       | 116             |
| Business Administration                         |                 |
| courses .....                                   | 188             |
| curriculum .....                                | 117             |
| joint major program .....                       | 70              |
| minor .....                                     | 117             |
| Business Analytics concentration .....          | 70, 117         |
| Business Education                              |                 |
| concentration .....                             | 82, 145         |
| courses .....                                   | 189             |
| Business Law                                    |                 |
| courses .....                                   | 189             |
| Business, Technology, & Society                 |                 |
| concentration .....                             | 57              |
| courses .....                                   | 292             |

## C

|                                                         |         |
|---------------------------------------------------------|---------|
| Calendar, Academic, 2024-2025 .....                     | 4-6     |
| Cancellation for a financial balance .....              | 28, 44  |
| Catalog policy .....                                    | 2       |
| Certificate programs offered .....                      | 14      |
| Chemistry                                               |         |
| concentration .....                                     | 80, 106 |
| courses .....                                           | 190     |
| minor .....                                             | 106     |
| Child and Family Studies                                |         |
| concentration .....                                     | 52      |
| courses .....                                           | 192     |
| curriculum .....                                        | 144     |
| joint major program .....                               | 71      |
| minor .....                                             | 144     |
| Child Development and Family Relations concentration .. | 71, 143 |
| Class Attendance .....                                  | 32      |
| Classical Studies concentration .....                   | 55      |
| Classics minor .....                                    | 57      |
| Classification of students .....                        | 29      |
| Clinical Laboratory Science concentration .....         | 70, 99  |
| Clinical Mental Health Counseling concentration .....   | 148     |
| Coaching Athletics minor .....                          | 155     |
| Commencement .....                                      | 27      |
| Communication                                           |         |
| courses .....                                           | 193     |
| curriculum .....                                        | 93      |
| joint major program .....                               | 72      |
| minor .....                                             | 93      |
| Community College Leadership concentration .....        | 154     |
| Computed Tomography (CT) Certificate (UC) .....         | 122     |
| Computer and Natural Sciences concentration .....       | 51      |
| Computer Information Systems                            |         |
| courses .....                                           | 195     |
| curriculum (undergraduate) .....                        | 118     |
| curriculum (graduate) .....                             | 118     |
| joint major program .....                               | 72      |
| minors .....                                            | 118     |
| Computer Science                                        |         |
| concentration .....                                     | 78, 105 |
| courses .....                                           | 199     |
| Concentrations, requirements for .....                  | 26      |
| Concurrent Baccalaureate and Master's program           |         |
| Enrollment .....                                        | 27      |
| Consumer Services concentration .....                   | 71, 144 |
| Continuing Education .....                              | 49      |
| Cooperative Occupational Work Program .....             | 16      |
| Cooperative Occupations Experience courses .....        | 200     |
| Core requirements, University .....                     | 25      |
| Correspondence credit .....                             | 37      |
| Counseling                                              |         |
| courses .....                                           | 200     |

|                                                             |         |
|-------------------------------------------------------------|---------|
| graduate (M.A.) curriculum .....                            | 148     |
| Counseling and Career Services .....                        | 45      |
| Council on Development of French in Louisiana               |         |
| (CODOFIL) .....                                             | 15      |
| Course load maximum and minimum .....                       | 28      |
| Courses of instruction, listing and interpretation of ..... | 171     |
| Craft concentration .....                                   | 75, 87  |
| Creative and Performing Arts Industry concentration .....   | 53      |
| Creative Writing                                            |         |
| concentration .....                                         | 75, 112 |
| minor .....                                                 | 112     |
| Creole Heritage Center .....                                | 12      |
| Creole Studies                                              |         |
| minor .....                                                 | 109     |
| Criminal Justice                                            |         |
| courses .....                                               | 201     |
| curriculum .....                                            | 108     |
| joint major program .....                                   | 73      |
| minor .....                                                 | 108     |
| Culinary Arts                                               |         |
| concentration .....                                         | 77, 121 |
| courses .....                                               | 203     |
| minor .....                                                 | 121     |
| Cultural Anthropology concentration .....                   | 53      |
| Cumulative grade point average .....                        | 31      |
| Curriculum and Instruction                                  |         |
| courses .....                                               | 215     |
| degree program .....                                        | 150     |

## D

|                                           |                    |
|-------------------------------------------|--------------------|
| Dance                                     |                    |
| courses .....                             | 203                |
| curriculum .....                          | 94                 |
| joint major .....                         | 73                 |
| minor .....                               | 94                 |
| Dean's list .....                         | 39                 |
| Degree conferral and commencement .....   | 27                 |
| Degree requirements .....                 | 27                 |
| Degrees offered .....                     | 13                 |
| Directory .....                           | Inside Front Cover |
| Directory Information (defined) .....     | 41                 |
| Disabilities, Services for Students ..... | 47                 |
| Discipline .....                          | 45                 |
| Dismissal from classes .....              | 32                 |
| Doctor of Nursing Practice .....          | 130                |
| Dropping courses .....                    | 31                 |
| Drop for Excessive Absences .....         | 32                 |
| Dual Enrollment Program .....             | 17                 |

## E

|                                                            |     |
|------------------------------------------------------------|-----|
| Early Admission Program .....                              | 17  |
| Early Childhood Education                                  |     |
| courses .....                                              | 205 |
| graduate (M.Ed.) curriculum .....                          | 149 |
| Early Childhood Education, Grades Pre-K – 3                |     |
| undergraduate curriculum .....                             | 144 |
| graduate (M.A.T.) curriculum .....                         | 149 |
| Early Intervention concentration .....                     | 151 |
| Economics courses .....                                    | 207 |
| Education and Human Development, Gallaspy College of ..... | 142 |
| Education courses .....                                    | 207 |
| Education-Adult and Continuing courses .....               | 213 |
| Education-Adult Learning and Development courses .....     | 214 |
| Education-Curriculum and Instruction courses .....         | 215 |
| Education-Special Education courses .....                  | 215 |
| Educational Doctoral Program .....                         | 153 |
| Educational Leadership                                     |     |
| courses .....                                              | 216 |
| specialist's concentration .....                           | 150 |
| master's degree program .....                              | 152 |
| Educational Leadership and Instruction curriculum .....    | 152 |
| Educational Psychology courses .....                       | 217 |

|                                                                 |              |
|-----------------------------------------------------------------|--------------|
| Educational Specialist (Ed.S.) degree .....                     | 151          |
| Educational Technology                                          |              |
| concentration .....                                             | 152          |
| courses .....                                                   | 218          |
| Educational Technology Leadership for K – 12                    |              |
| Teaching and Learning concentration .....                       | 151          |
| Educational Technology Leadership for Workforce                 |              |
| Development concentration .....                                 | 151          |
| e-Learning concentration .....                                  | 148          |
| Elective (defined).....                                         | 7            |
| Electronic Learning and Global Engagement .....                 | 49           |
| Electronics concentrations .....                                | 74, 103, 104 |
| Electronics Engineering Technology                              |              |
| courses .....                                                   | 219          |
| curriculum.....                                                 | 103          |
| joint major program .....                                       | 74           |
| minor .....                                                     | 103          |
| Elementary Education Grades 1 – 5                               |              |
| undergraduate curriculum .....                                  | 144          |
| graduate (M.A.T.) curriculum .....                              | 149          |
| joint major program .....                                       | 74           |
| Elementary Education & Special Education                        |              |
| Mild/Moderate, Grades 1 – 5 .....                               | 151          |
| Elementary (Grades 1-5) Mild/Moderate Special Education         |              |
| concentration.....                                              | 145          |
| Emergency Management Administration concentration... 85, 110    |              |
| Employment, student .....                                       | 22           |
| Engagement, student.....                                        | 47           |
| Engineering Technology                                          |              |
| courses .....                                                   | 221          |
| curriculum.....                                                 | 104          |
| department of.....                                              | 103          |
| English                                                         |              |
| Accelerated B.A. in Liberal Arts and                            |              |
| M.A. in English programs .....                                  | 61           |
| courses .....                                                   | 222          |
| curriculum (undergraduate).....                                 | 112          |
| curriculum (graduate).....                                      | 112          |
| joint major program .....                                       | 75           |
| minor .....                                                     | 112          |
| English as a Second Language (ESL) concentration .....          | 148          |
| English Education                                               |              |
| graduate concentration .....                                    | 150          |
| undergraduate concentration .....                               | 82, 145      |
| English, Languages, and Cultural Studies,                       |              |
| department of.....                                              | 112          |
| Entrepreneurship concentration.....                             | 71, 117      |
| Environmental and Applied Microbiology concentration ... 69, 98 |              |
| Eugene P. Watson Memorial Library.....                          | 11           |
| Event Management                                                |              |
| courses .....                                                   | 231          |
| concentration .....                                             | 77, 121      |
| minor .....                                                     | 121          |
| Examinations                                                    |              |
| advanced placement .....                                        | 38           |
| advanced standing.....                                          | 38, 132      |
| American college testing (ACT).....                             | 38           |
| challenge examination program .....                             | 38           |
| college level examination program (CLEP) .....                  | 38           |
| semester/final .....                                            | 36           |
| Exercise Physiology concentration .....                         | 157          |
| Extra-curricular activities, credit for .....                   | 37           |
| <b>F</b>                                                        |              |
| Faculty Advisors.....                                           | 28           |
| Faculty listing .....                                           | 312          |
| Fees and expenses.....                                          | 43           |
| Family Educational Rights and Privacy Act (FERPA).....          | 40           |
| Film Studies concentration.....                                 | 75, 112      |
| Film minor .....                                                | 53           |
| Final Grades.....                                               | 36           |

|                                                    |              |
|----------------------------------------------------|--------------|
| Finance                                            |              |
| concentration .....                                | 71, 117      |
| courses .....                                      | 231          |
| Financial aid .....                                | 22           |
| Fine Arts courses.....                             | 231          |
| Fine and Graphic Arts                              |              |
| curriculum .....                                   | 57           |
| joint major program .....                          | 75           |
| Fine and Performing Arts concentration .....       | 58           |
| Fire and Emergency Medical Services Administration |              |
| concentration .....                                | 84           |
| Folklife/Southern culture concentration.....       | 75, 110, 112 |
| Foreign Language                                   |              |
| concentration.....                                 | 57           |
| minor .....                                        | 53           |
| Forensic Investigation concentration.....          | 70, 99       |
| Forensic Laboratory Science concentration .....    | 80, 106      |
| French courses.....                                | 231          |
| French minor .....                                 | 113          |
| Full-time student definition .....                 | 29           |

## G

|                                                |         |
|------------------------------------------------|---------|
| Gallaspy Family College of Education and Human |         |
| Development.....                               | 140     |
| General Biology concentration .....            | 99      |
| General Studies                                |         |
| curricula.....                                 | 52      |
| undecided majors/exploratory students.....     | 30      |
| Generalist concentration .....                 | 114     |
| Geo Computation concentration .....            | 110     |
| Geography                                      |         |
| concentration .....                            | 53      |
| courses .....                                  | 232     |
| minor .....                                    | 53      |
| Geology courses .....                          | 233     |
| Gender and Sexuality Studies minor.....        | 112     |
| Gifted Education concentration .....           | 151     |
| Global Security and Intelligence (GSI)         |         |
| certificate (PMC).....                         | 108     |
| courses.....                                   | 233     |
| Global Studies                                 |         |
| courses.....                                   | 233     |
| minor .....                                    | 53      |
| Glossary.....                                  | 7       |
| Grade appeal.....                              | 169     |
| Grade types.....                               | 35      |
| Grades and quality points.....                 | 34, 169 |
| Graduate Degree Programs.....                  | 13      |
| Graduate Degree requirements .....             | 27      |
| Graduate Record Examination (GRE) .....        | 166     |
| Graduate School .....                          | 166     |
| Graduation grade point average.....            | 31      |
| Graduation requirements .....                  | 26      |
| Graduation with special honors .....           | 39, 170 |
| Graphic Communications concentration.....      | 75, 87  |

## H

|                                                             |     |
|-------------------------------------------------------------|-----|
| Health Education courses .....                              | 234 |
| Health and Exercise Science                                 |     |
| curriculum .....                                            | 155 |
| joint major program.....                                    | 76  |
| Health and Physical Education, Grades K-12                  |     |
| curriculum .....                                            | 156 |
| Health Science Leadership and Management concentration .... | 133 |
| Health Science and Technology concentration .....           | 133 |
| Health Services.....                                        | 44  |
| Healthcare courses .....                                    | 233 |
| Healthcare Informatics concentration .....                  | 105 |
| History                                                     |     |
| courses.....                                                | 235 |
| curriculum .....                                            | 109 |
| joint major program.....                                    | 76  |

|                                                              |         |
|--------------------------------------------------------------|---------|
| minor .....                                                  | 109     |
| History of the University.....                               | 8       |
| Homeland Security                                            |         |
| courses .....                                                | 238     |
| graduate (M.A.) concentration .....                          | 148     |
| graduate (M.S.) curriculum.....                              | 111     |
| Honor List.....                                              | 39      |
| Honors, graduation with.....                                 | 39      |
| Honors Program, Northwestern State University .....          | 14      |
| Honors Program, Louisiana Scholars' College Scholastic ..... | 15      |
| Hospitality Management and Tourism                           |         |
| courses .....                                                | 239     |
| curriculum.....                                              | 121     |
| department of.....                                           | 121     |
| joint major program .....                                    | 76      |
| minor .....                                                  | 121     |
| Hospitality Services concentration.....                      | 77, 121 |
| Hours pursued definition.....                                | 30      |
| Housing and living accommodations .....                      | 44      |
| Human Resources concentration.....                           | 71, 117 |
| Human Performance courses .....                              | 241     |
| Humanities and Social Thought concentration.....             | 59      |
| Humanities courses.....                                      | 244     |

## I

|                                                                                            |             |
|--------------------------------------------------------------------------------------------|-------------|
| Incomplete grades .....                                                                    | 34          |
| Industrial concentration.....                                                              | 104         |
| Industrial Engineering Technology                                                          |             |
| courses .....                                                                              | 245         |
| curriculum.....                                                                            | 104         |
| joint major program .....                                                                  | 77          |
| minor.....                                                                                 | 104         |
| Industrial Organizational Behavior concentrations .....                                    | 69, 81, 160 |
| Industrial & Systems Engineering courses .....                                             | 246         |
| Information Systems Management concentration .....                                         | 72, 118     |
| Installment Plan Policy/Charge.....                                                        | 43          |
| Intercollegiate athletics .....                                                            | 47          |
| Interdisciplinary design concentration .....                                               | 75, 87      |
| Interdisciplinary Studies courses.....                                                     | 249         |
| International Baccalaureate Diploma Programme (IB) .....                                   | 15          |
| International business concentration .....                                                 | 71, 117     |
| International relations concentration .....                                                | 53          |
| International Student Exchange Program (ISEP) .....                                        | 15          |
| International students, admission of.....                                                  | 20, 167     |
| Interuniversity Mission for the Coordination of<br>Franco-American Exchanges (MICEFA)..... | 15          |
| Instructional Design concentration.....                                                    | 150         |
| Intramural program.....                                                                    | 47          |
| Invasive Cardiovascular Technology Certificate (UC) .....                                  | 122         |

## J

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| Journalism, Broadcast, and Digital Media Production<br>concentration..... | 72, 93 |
|---------------------------------------------------------------------------|--------|

## K

|                                |     |
|--------------------------------|-----|
| Kinesiology concentration..... | 155 |
| Kinesiology, School of .....   | 155 |

## L

|                                                   |         |
|---------------------------------------------------|---------|
| Laboratory courses, policy.....                   | 171     |
| Laboratory school faculty .....                   | 324     |
| Late payment charges .....                        | 43      |
| Late registration fees.....                       | 28, 43  |
| Latin courses.....                                | 249     |
| Law Enforcement Administration concentration..... | 84, 110 |
| Legitimate educational interest (defined).....    | 41      |
| Liberal Arts                                      |         |
| Accelerated degree programs .....                 | 110     |
| College of Arts & Sciences curriculum.....        | 53      |
| Louisiana Scholars' College curriculum.....       | 56      |
| Minor, honors .....                               | 57      |

|                                               |         |
|-----------------------------------------------|---------|
| Library, Eugene P. Watson Memorial .....      | 11      |
| Library and Information Science courses ..... | 250     |
| Library course .....                          | 255     |
| Literature concentration.....                 | 75, 112 |
| Loans, student.....                           | 22      |
| Location of the University .....              | 8       |
| Louisiana Folklife Center.....                | 12      |
| Louisiana Scholars' College.....              | 54      |

## M

|                                                        |         |
|--------------------------------------------------------|---------|
| Magnetic Resonance Imaging Certificate (UC) .....      | 122     |
| Majors, requirements for .....                         | 27      |
| Management                                             |         |
| concentration .....                                    | 71, 117 |
| courses.....                                           | 251     |
| Marketing                                              |         |
| concentration .....                                    | 71, 117 |
| courses.....                                           | 252     |
| Master of Arts (M.A.) degrees                          |         |
| Adult Learning and Development.....                    | 147     |
| Art .....                                              | 87      |
| Counseling.....                                        | 148     |
| English.....                                           | 113     |
| Student Affairs in Higher Education.....               | 148     |
| Master of Arts in Teaching (M.A.T.) degrees            |         |
| Early Childhood Education, Grades PK-3 .....           | 149     |
| Elementary Education, Grades 1-5 .....                 | 149     |
| Elementary Education & Special Education               |         |
| Mild/Moderate, Grades 1-5 .....                        | 150     |
| Middle School Education, Grades 4-8.....               | 150     |
| Middle School Education & Special Education            |         |
| Mild/Moderate, Grades 4-8.....                         | 149     |
| Secondary Education, Grades 6-12.....                  | 149     |
| Secondary Education & Special Education                |         |
| Mild/Moderate, Grades 6-12.....                        | 150     |
| Master of Education (M.Ed.) degrees                    |         |
| Curriculum and Instruction.....                        | 150     |
| Early Childhood Education.....                         | 150     |
| Educational Leadership .....                           | 150     |
| Educational Technology Leadership.....                 | 151     |
| Special Education .....                                | 151     |
| Master of Music (M.M.) degree .....                    | 90      |
| Master of Science (M.S.) degrees                       |         |
| Clinical Psychology.....                               | 161     |
| Computer Information Systems.....                      | 118     |
| Health and Human Performance .....                     | 157     |
| Homeland Security .....                                | 111     |
| Radiologic Sciences.....                               | 134     |
| Master of Science in Nursing (M.S.N.) degree.....      | 129     |
| Master of Social Work .....                            | 164     |
| Mathematics                                            |         |
| courses.....                                           | 252     |
| curriculum .....                                       | 105     |
| division of.....                                       | 105     |
| joint major program.....                               | 77      |
| minor .....                                            | 105     |
| Mathematics Education concentration .....              | 82, 145 |
| Maximum course load.....                               | 167     |
| Medical and Health Profession concentration .....      | 69, 98  |
| Merchandising courses .....                            | 255     |
| Microbiology minor .....                               | 99      |
| Middle School Education, Grades 4-8                    |         |
| graduate degree program .....                          | 149     |
| Middle School Education & Special Education            |         |
| Mild/Moderate, Grades 4-8 .....                        | 149     |
| Middle School (Grades 4-8) and Secondary (Grades 6-12) |         |
| Mild/Moderate Special Education concentration .....    | 151     |
| Military Leadership minor.....                         | 158     |
| Military obligations .....                             | 30      |
| Military Science, department of .....                  | 158     |
| Military Science and Leadership courses .....          | 255     |

|                                                                                            |         |
|--------------------------------------------------------------------------------------------|---------|
| Minimum class meeting time.....                                                            | 171     |
| Minimum course load.....                                                                   | 28, 167 |
| Minors, requirements for.....                                                              | 26      |
| Mrs. H.D. Dear, Sr. and Alice Estelle Dear School of<br>Creative and Performing Arts ..... | 86      |
| Music                                                                                      |         |
| courses .....                                                                              | 257     |
| curriculum.....                                                                            | 90      |
| department of.....                                                                         | 89      |
| joint major program .....                                                                  | 78      |
| minor .....                                                                                | 89      |
| Music Business concentration.....                                                          | 78, 89  |
| Music education                                                                            |         |
| courses .....                                                                              | 262     |
| graduate concentration .....                                                               | 97      |
| Music Education-Instrumental, Grades K-12                                                  |         |
| curriculum.....                                                                            | 141     |
| joint major program .....                                                                  | 79      |
| Music Education-Vocal, Grades K-12                                                         |         |
| curriculum.....                                                                            | 146     |
| joint major program .....                                                                  | 79      |
| Music Education-Vocal/Instrumental, Grades K-12 .....                                      | 145     |
| Musical Theatre curriculum .....                                                           | 94      |

## N

|                                                                    |         |
|--------------------------------------------------------------------|---------|
| Name Change .....                                                  | 42      |
| National Collegiate Athletic Association (NCAA) .....              | 47      |
| National Security Leadership courses.....                          | 263     |
| National Student Exchange (NSE).....                               | 15      |
| Networking and Cyber Security concentration.....                   | 72, 118 |
| New Media Journalism and Communication Arts,<br>department of..... | 93      |
| Non-academic records, access to and utilization of.....            | 45      |
| Non-discrimination, notice of .....                                | 10      |
| Nuclear Surety Management concentration .....                      | 110     |
| Nursing                                                            |         |
| courses.....                                                       | 265     |
| curriculum.....                                                    | 80, 126 |
| college of .....                                                   | 123     |
| joint major program .....                                          | 80      |
| Nursing and School of Allied Health, College of.....               | 122     |
| Nursing Practice.....                                              | 130     |
| Nutrition courses.....                                             | 273     |

## O

|                                                           |     |
|-----------------------------------------------------------|-----|
| Organizational Leadership courses .....                   | 273 |
| Organizational Learning, 21st Century, concentration..... | 52  |
| Orientation courses .....                                 | 273 |

## P

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| Part-time student definition.....                         | 29              |
| Performance concentration                                 |                 |
| graduate .....                                            | 91              |
| undergraduate.....                                        | 78, 89          |
| Performance/Directing concentration.....                  | 84, 89, 95, 268 |
| Philosophy                                                |                 |
| courses .....                                             | 273             |
| minor.....                                                | 57              |
| Philosophy, politics, and economics                       |                 |
| concentration.....                                        | 57              |
| minor .....                                               | 57              |
| Photography minor.....                                    | 87              |
| Physical education, Sport & Leisure management minor..... | 155             |
| Physical Science                                          |                 |
| curriculum.....                                           | 106             |
| department of.....                                        | 106             |
| joint major .....                                         | 80              |
| minor .....                                               | 105             |
| Physics courses.....                                      | 274             |
| concentration .....                                       | 80, 106         |
| minor.....                                                | 106             |
| Political Science                                         |                 |
| courses .....                                             | 275             |
| minor .....                                               | 109             |

## Post Baccalaureate Certificate Programs

|                         |     |
|-------------------------|-----|
| Business Analytics..... | 117 |
| Project Management..... | 97  |
| Quality Control.....    | 97  |

## Post Masters Certificate Program

|                                          |     |
|------------------------------------------|-----|
| Adult-Gerontological Acute Care NP ..... | 122 |
| Family Nurse Practitioner.....           | 122 |
| Global Security and Intelligence.....    | 107 |
| Psychiatric Mental Health NP .....       | 122 |

## PRAXIS Pre-Professional Skills Tests (PPST).....

|                                             |     |
|---------------------------------------------|-----|
| Pre-athletic training concentration.....    | 155 |
| Pre-occupational therapy concentration..... | 155 |
| Pre-physical therapy concentration.....     | 155 |

## Pre-Professional Programs

|                                  |     |
|----------------------------------|-----|
| Pre-cardiopulmonary science..... | 100 |
| Pre-dentistry .....              | 100 |
| Pre-engineering.....             | 104 |
| Pre-medicine .....               | 100 |
| Pre-occupational therapy .....   | 100 |
| Pre-optometry .....              | 101 |
| Pre-pharmacy.....                | 100 |
| Pre-physical therapy .....       | 101 |
| Pre-physician assistant.....     | 101 |
| Pre-veterinary medicine.....     | 101 |

## Pre-Law (Business) concentration .....

|                                        |     |
|----------------------------------------|-----|
| Pre-Law and Paralegal Studies          |     |
| certificate of completion program..... | 108 |
| concentration .....                    | 108 |
| courses.....                           | 275 |
| minor .....                            | 108 |

## President's list .....

## Press .....

## Prevention Specialist concentrations .....

## Prior Learning assessment credit .....

## Probation regulations.....

## Production and Design

## curriculum .....

## joint major .....

## Professional Studies concentration .....

## Professional Writing concentration.....

## Project Lead the Way .....

## Psychiatric Mental Health Nurse Practitioner

## concentration .....

## Psychology

## clinical (graduate).....

## courses.....

## curriculum (undergraduate) .....

## department of.....

## joint major program.....

## minor .....

## Public Facilities Management concentration .....

## Public Policy and Administration Certification .....

## Public Health concentration .....

## Q

## Quality Hours.....

## Quality Points.....

## R

## Radiography concentration .....

## Radiologic Sciences

## concentration .....

## courses .....

## curriculum (undergraduate).....

## curriculum (graduate).....

## joint major program.....

## Reading

## concentration .....

## courses.....

## Readmission from suspension .....

## Records policy, student .....

|                                                           |        |
|-----------------------------------------------------------|--------|
| Recreational facilities.....                              | 47     |
| Refund policy .....                                       | 33     |
| Recognized accrediting agencies .....                     | 36     |
| Registration                                              |        |
| cancellation for financial balance.....                   | 28, 44 |
| fees, payment of.....                                     | 44     |
| for graduation only.....                                  | 27     |
| in a curriculum .....                                     | 26     |
| late .....                                                | 28     |
| with a previous balance.....                              | 28     |
| Registration Exception Committee.....                     | 29, 44 |
| Registration, Credits, and Graduation Council (RCGC)..... | 32     |
| Remote Systems Science and Technology                     |        |
| certificate (UC) .....                                    | 108    |
| courses .....                                             | 281    |
| Repeating courses.....                                    | 31     |
| Reserve Officers' Training Corps (ROTC).....              | 158    |
| Residence regulations .....                               | 39     |
| Resignation policy.....                                   | 32     |
| Responsibility, student .....                             | 27     |

## S

|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| Sacred Music concentration .....                                            | 78, 89  |
| Scholars' College.....                                                      | 54      |
| Scholars' courses .....                                                     | 281-291 |
| Scholarships .....                                                          | 24      |
| Scholastic Honors Programs .....                                            | 14      |
| School Counseling concentration.....                                        | 148     |
| School of Allied Health .....                                               | 133     |
| School of Science, Technology, Engineering,<br>and Mathematics (STEM) ..... | 97      |
| School of Business.....                                                     | 116     |
| School of Education.....                                                    | 142     |
| School of Kinesiology .....                                                 | 155     |
| School of Social Sciences and Applied Programs.....                         | 108     |
| School Official (defined) .....                                             | 41      |
| School Librarian concentration .....                                        | 150     |
| Science courses.....                                                        | 292     |
| Scientific Inquiry concentration .....                                      | 57      |
| Second Baccalaureate degree requirements .....                              | 27      |
| Secondary Education and Teaching                                            |         |
| curriculum.....                                                             | 145     |
| joint major program .....                                                   | 82      |
| Secondary Education Grades 6-12                                             |         |
| graduate degree program.....                                                | 149     |
| Secondary Education & Special Education                                     |         |
| Mild/Moderate, Grades 6-12.....                                             | 149     |
| Security procedures.....                                                    | 45      |
| Semester examinations.....                                                  | 36      |
| Semester grade point average .....                                          | 31      |
| Servicemembers Opportunity College .....                                    | 37      |
| Simultaneous Degree Policy .....                                            | 27      |
| Social Science                                                              |         |
| concentration .....                                                         | 51      |
| minor.....                                                                  | 109     |
| Social Sciences and Applied Programs, School of.....                        | 108     |
| Social Security number change.....                                          | 42      |
| Social Studies courses.....                                                 | 294     |
| Social Studies Education concentration .....                                | 83, 145 |
| Social Work                                                                 |         |
| courses .....                                                               | 294     |
| curriculum (undergraduate) .....                                            | 163     |
| curriculum (graduate) .....                                                 | 164     |
| department of.....                                                          | 163     |
| joint major program .....                                                   | 83      |
| Sociology courses .....                                                     | 298     |
| Sonography courses .....                                                    | 298     |
| Southern Studies Institute .....                                            | 12      |
| Space Science courses .....                                                 | 300     |
| Spanish courses.....                                                        | 300     |
| Spanish for Healthcare minor.....                                           | 113     |
| Spanish minor .....                                                         | 113     |
| Special Education (Ed.S.) concentration .....                               | 152     |

|                                               |         |
|-----------------------------------------------|---------|
| Special Education (M.Ed.) degree program..... | 151     |
| Special Education courses .....               | 301     |
| Special honors, graduation with .....         | 39, 170 |
| Specialist degree program .....               | 151     |
| Sport Administration concentration .....      | 157     |
| Sport Analytics concentration .....           | 78, 105 |
| Sport and Recreation Management .....         | 156     |
| joint major program.....                      | 83      |
| Sports Media concentration .....              | 72, 93  |
| Statistics courses .....                      | 302     |
| Strategic Communication                       |         |
| certificate (UC).....                         | 93      |
| concentration .....                           | 72, 93  |
| Student Affairs in Higher Education           |         |
| courses.....                                  | 302     |
| curriculum .....                              | 148     |
| Student conduct.....                          | 45      |
| Student engagement .....                      | 46      |
| Student identification .....                  | 45      |
| Student insurance .....                       | 45      |
| Student Life/Services .....                   | 43      |
| Student record policy .....                   | 41, 45  |
| Studio Art concentration.....                 | 75, 87  |
| Substance Abuse concentration .....           | 81, 161 |
| Substantive Change Policy.....                | 10      |
| Substituting courses .....                    | 31      |
| Supplemental Education courses .....          | 29      |
| Suspension regulations.....                   | 33      |

## T

|                                                                                |         |
|--------------------------------------------------------------------------------|---------|
| Teacher certification                                                          |         |
| add-on certification areas.....                                                | 142     |
| alternate certification programs .....                                         | 142     |
| Teaching English to Speakers of Other Languages<br>(TESOL) concentration ..... | 114     |
| Testing Center .....                                                           | 42      |
| Theatre                                                                        |         |
| courses.....                                                                   | 303     |
| curriculum .....                                                               | 95      |
| joint major program.....                                                       | 83      |
| minor .....                                                                    | 95      |
| TOEFL scores .....                                                             | 21      |
| Transcripts.....                                                               | 36      |
| Transfer admission .....                                                       | 20      |
| Transfer agreements .....                                                      | 37      |
| Transfer Credit Matrix .....                                                   | 37      |
| Transferred credit.....                                                        | 36      |
| Transition to Nursing.....                                                     | 126     |
| Transition to Teaching concentration .....                                     | 1550    |
| Travel and Tourism concentration.....                                          | 77, 121 |
| Tuition Reciprocity .....                                                      | 43      |
| Tutoring courses.....                                                          | 305     |

## U

|                                             |         |
|---------------------------------------------|---------|
| Ultrasound concentration.....               | 82, 136 |
| Ultrasound (PBC).....                       | 122     |
| Undecided majors/exploratory students ..... | 30, 48  |
| Unified Public Safety Administration        |         |
| courses.....                                | 305     |
| curriculum .....                            | 109     |
| joint major program.....                    | 84      |
| minor.....                                  | 110     |
| University core requirements .....          | 25      |
| University, The.....                        | 8       |
| University Press .....                      | 12      |
| Unofficial Resignation .....                | 24      |
| University Studies course.....              | 306     |

## V

|                                   |    |
|-----------------------------------|----|
| Veterans, credits granted to..... | 38 |
|-----------------------------------|----|



|                       |        |
|-----------------------|--------|
| Veterinary Technology |        |
| concentration.....    | 70, 99 |
| courses .....         | 307    |
| curriculum.....       | 107    |
| department of.....    | 107    |

## W

|                                                      |    |
|------------------------------------------------------|----|
| Wildlife Management minor .....                      | 99 |
| Wildlife Biology and Conservation concentration..... | 99 |
| Williamson Museum.....                               | 11 |

